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BULLETIN
OF THE
TEXAS TECHNOLOGICAL COLLEGE

LUBBOCK, TEXAS
PUBLISHED FOUR TIMES A YEAR

VOL. III JULY, 1927 No. 3

THE LIBRARY OF THE
OCT 25 1927
UNIVERSITY OF ILLINOIS

SUPPLEMENT TO THE SECOND ANNUAL CATALOG, 1926-1927

WITH

REVISED ANNOUNCEMENTS FOR 1927-1928

Entered as second-class matter December, 1924, at the Postoffice at Lubbock, Texas, under the Act of August 24, 1912.

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Cultivated mind is the guardian genius of democracy. It is the only dictator that freemen acknowledge, the only security that freemen desire.

MIRABEAU B. LAMAR.

Righteousness exalteth a nation, but sin is a reproach to any people.

SOLOMON.

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OF THE
TEXAS TECHNOLOGICAL COLLEGE
LUBBOCK, TEXAS

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REVISED ANNOUNCEMENTS FOR 1927-1928

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CALENDAR, 1927

JANUARY

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CALENDAR, 1928

JANUARY

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MAY

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JUNE

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JULY

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AUGUST

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OCTOBER

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COLLEGE CALENDAR

THIRD ANNUAL SESSION.

1927.

September 15-17, Thursday-Saturday. Entrance examinations.

September 16, 8 p. m. President's reception to Faculty.

September 16, 17, 18, Friday, Saturday, Sunday. Freshmen Orientation Period.

September 19-21, Monday-Wednesday. Registration.

September 22, Thursday. Fall term classes begin, at 8 a. m.

September 23, Friday. "Open House" for all students by the churches of Lubbock.

September 24, Saturday. Reception of President and Mrs. Horn to the student body at 8 p. m., Administration Building.

September 25, Sunday. Annual sermon.

October 1, Saturday. Last day for fall registration for full work.

November 7, Monday. Mid-term reports due in Registrar's office.

November 11, Friday. Armistice Day, a holiday.

November 24, Thursday. Thanksgiving, a holiday.

December 13-17, Tuesday-Saturday. Fall term examinations.

December 19, Monday. Christmas recess begins.

December 20, Tuesday. Fall term grades due in Registrar's office.

1928.

January 2, Monday. Registration for winter term.

January 3, Tuesday. Recitations begin, 8 a. m.

January 9, Monday. Last day for winter term registration for full work.

February 8, Wednesday. Mid-term reports due in Registrar's office.

February 22, Wednesday. A holiday.

March 2, Friday. Texas Independence Day.

March 13-17, Tuesday-Saturday. Examinations for winter term.

March 19, Monday. Spring term begins, 8 a. m.

April 21, Saturday. San Jacinto Day, a holiday.

April 25, Wednesday. Mid-term reports due in Registrar's office.

May 27, Sunday. Commencement Sunday.

May 28-June 1, Monday-Friday. Spring term examinations.

May 28, Monday. Commencement Day.

June 4, Monday. Summer School begins.

August 24, Friday. Summer School closes.

BOARD OF DIRECTORS

OFFICERS OF THE BOARD

Clifford B. Jones, Chairman	Spur
R. A. Underwood, Vice-Chairman	Plainview
H. T. Kimbro, Treasurer	Lubbock
E. W. Provence, Secretary	Lubbock

MEMBERS OF THE BOARD

Term Expires 1929

C. W. Meadows	Waco
Mrs. F. N. Drane	Corsicana
John W. Carpenter	Dallas

Term Expires 1931

Clifford B. Jones	Spur
H. T. Kimbro	Lubbock
Houston Harte	San Angelo

Term Expires 1933

R. A. Underwood	Plainview
E. O. Thompson	Amarillo
C. G. Comegys	McKinney

COMMITTEES OF THE BOARD.

EXECUTIVE COMMITTEE

R. A. Underwood, *Chairman.*
John W. Carpenter.
Mrs. F. N. Drane.

BUILDING COMMITTEE

C. G. Comegys, *Chairman.*
Houston Harte.
C. W. Meadows.

LOCAL AFFAIRS COMMITTEE

H. T. Kimbro, *Chairman.*
R. A. Underwood.
E. O. Thompson.

FINANCE COMMITTEE

John W. Carpenter, *Chairman.*
Houston Harte.
C. W. Meadows.

LEGISLATIVE COMMITTEE

E. O. Thompson, *Chairman.*
Clifford B. Jones.
H. T. Kimbro.

OFFICERS OF ADMINISTRATION

PAUL W. HORN, M. A., LL. D., *President.*
Office, 213 Administration Building.

JAMES M. GORDON, M. A., LL. D., *Dean of the School of Liberal Arts.*
Office, 101 Administration Building.

ARTHUR H. LEIDIGH, M. S., *Dean of the School of Agriculture.*
Office, 101 Home Economics Building.

WILLIAM J. MILLER, S. M. IN E. E., *Dean of the School of Engineering.*
Office, 102 Textile Engineering Building.

MARGARET W. WEEKS, M. S., *Dean of the School of Home Economics.*
Office, 201 Home Economics Building.

MARY W. DOAK, B. A., *Dean of Women.*
Office, 102 Administration Building.

ERNEST W. PROVENCE, B. A., *Secretary and Business Manager.*
Office, 104 Administration Building.

EBEN L. DOHONEY, B. LITT., *Registrar.*
Office, 210 Administration Building.

OFFICERS OF INSTRUCTION, 1927-1928

PAUL WHITFIELD HORN, *President.*
M. A., Central College; LL. D., 1917.

EDMOND WEYMAN CAMP, *Professor of Textile Engineering; Head of Department.*
B. S. in T. E., Georgia School of Technology, 1901.

MARY WOODWARD DOAK, *Dean of Women and Professor of English.*
B. A., Texas, 1925.

CHARLES DUDLEY EAVES, *Professor of History.*
B. A., Texas, 1916; M. A., Chicago, 1922.

ARTHUR WILSON EVANS, *Professor of Education; Head of Department.*
B. A., Oxford College, 1890; M. A., Texas, 1924.

GUS L. FORD, *Professor of History.*
B. A., Southern Methodist University, 1920; M. A., 1921.

EWING YOUNG FREELAND, *Professor of Physical Education; Head Coach.*
B. A., Vanderbilt, 1912.

Enoch Franklin George, *Professor of Physics; Head of Department.*
B. A., West Virginia, 1914; M. A., 1916; Ph. D., Ohio State, 1920.

James Marcus Gordon, *Dean of Liberal Arts and Professor of Latin.*
B. A., Trinity, 1903; M. A., Chicago, 1908; LL. D., Trinity, 1919.

John Cowper Granbery, *Professor of History; Head of Department.*
B. A., Randolph-Macon, 1896; M. A., Chicago, 1908; Ph. D., 1909; B. D., Vanderbilt, 1899; D. D., Kentucky Wesleyan, 1913.

†Richard Clarence Harrison, *Professor of English; Head of Department.*
B. A., Texas, 1912; M. A., 1917; M. A., Harvard, 1922.

William Albert Jackson, *Professor of Government; Head of Department.*
B. A., Baylor, 1914; M. A., Chicago, 1916; Ph. D., Iowa, 1924.

Arthur Henry Leidigh, *Dean of Agriculture and Professor of Agronomy.*
B. S., Kansas State Agricultural College, 1902; M. S., Texas A. and M., 1923.

Jonnie Hemphill McCrery, *Professor and Head of Foods Department.*
B. S., Columbia, 1920; M. A., 1923.

Clarence Simpson Mast, *Professor of Physics.*
B. S., Ohio Wesleyan, 1906; M. A., 1911.

James Newton Michie, *Professor of Mathematics; Head of Department.*
B. S. in Engineering, Virginia, 1908; M. A., Michigan, 1919.

William Jasper Miller, *Dean of Engineering and Professor of Electrical Engineering.*
E. E., Texas, 1915; S. M. in E. E., Massachusetts Institute of Technology, 1922.

James Harold Murdough, *Professor of Civil Engineering; Head of Department.*
S. B. in C. E., Massachusetts Institute of Technology, 1916.

Leroy Thompson Patton, *Professor of Geology; Head of Department.*
B. A., Muskingum College, 1905; B. S., Chicago, 1913; M. S., Iowa, 1916; Ph. D., Iowa, 1923.

*Ruth Pirtle, *Professor of Public Speaking; Head of Department.*
Student, Hickman School of Speech Arts; Lyceum Arts Conservatory; Colorado; California; Curry School of Expression, Boston.

Charles Blaise Qualia, *Professor of Spanish; Head of Department.*
B. A., Texas, 1916; M. A., 1921.

W. L. Ray, *Professor of Chemistry.*
B. A., Texas, 1918; M. A., 1920; Ph. D., Chicago, 1923.

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†Died May 5, 1927.
*Leave of absence, 1927-28.

WILLIAM THORNTON READ, *Professor of Chemistry; Head of Department.*
B. A., Austin College, 1905; M. A., 1908; M. A., Texas, 1915; Ph. D., Yale, 1921.

GEORGE SMALLWOOD, *Professor of English.*
B. A., Southwestern, 1917; M. A., Southern Methodist University, 1925.

WENZEL LOUIS STANGEL, *Professor of Animal Husbandry; Head of Department.*
B. S., Texas A. and M., 1915; M. S., Missouri, 1916.

RICHARD ARTHUR STUDHALTER, *Professor of Biology; Head of Department.*
B. A., Texas, 1912; M. A., Washington University, 1917.

MARGARET WATSON WEEKS, *Dean of Home Economics and Professor of Nutrition.*
B. S., Columbia, 1921; M. S., 1925.

WILLIAM RICHARD WAGHORNE, *Professor of Music; Head of Department.*
A. A. G. O., New York, 1914; F. A. G. O., 1915.

WILLIAM HENRY ABBITT, *Professor of Physics.*
B. A., Virginia, 1919; Ph. D., Chicago, 1926.

BENJAMIN F. CONDRAY, *Professor of Economics and Business Administration.*
B. A., Ouachita, 1921; M. A., Chicago, 1923.

WILLIAM MOORE CRAIG, *Professor of Chemistry.*
B. A., Southwestern, 1906; M. A., 1907; M. A., Texas, 1916; Ph. D., Harvard, 1927.

RUFUS ARTHUR MILLS, *Professor of English.*
B. A., Texas, 1914; M. A., 1923.

CARL LARS SVENSEN, *Professor of Engineering Drawing; Head of Department.*
B. S., Tufts College, 1907; M. E., 1921.

*WILLIAM MARVIN WHYBURN, *Professor of Mathematics.*
B. A., Texas, 1912; M. A., 1923; Ph. D., Texas, 1927.

THOR J. BECK, *Professor of French and German; Head of Department.*
B. A., Soroe College; M. A., LL. M., LL. D., Copenhagen.

ALLAN L. CARTER, *Professor of English; Head of Department.*
B. A., Clark, 1911; M. A., Northwestern, 1913; Ph. D., Pennsylvania, 1919.

R. E. GARLIN, *Professor of Education.*
Ph. D., Texas, 1927.

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*Leave of absence, 1927-28.

LEANDER D. HOWELL, *Professor of Agricultural Economics and Farm Management; Head of Department.*
B. S., Texas A. and M., 1922; M. S., 1922.

ANNAH JO PENDLETON, *Professor of Public Speaking; Acting Head of Department.*
B. A., Texas Christian University, 1918; Graduate, School of Speech Arts, Northwestern University, 1921.

ASSOCIATE PROFESSORS

LALLA ROOKH BOONE, *Associate Professor of History.*
B. A., Texas, 1917; M. A., California, 1922.

WILLIAM BRYAN GATES, *Associate Professor of English.*
B. S. Millsaps College, 1918; M. A., Vanderbilt, 1921; M. A., Michigan, 1927.

FLORA POWELL MCGEE, *Associate Professor of English.*
B. A., Colorado College; M. A., George Peabody College, 1924.

CHARLES HAROLD MAHONEY, *Professor of Horticulture; Head of Department.*
B. S. A., Arizona, 1923; M. S., Texas A. and M., 1925.

EDGAR GREER SHELTON, *Associate Professor of Architecture.*
B. S. in Architecture, Texas, 1921.

FRANCES WHATLEY, *Associate Professor of Spanish.*
B. A., Texas, 1920; M. A., 1925.

WARREN PERRY CLEMENT, *Associate Professor of Education.*
B. A., Baylor, 1919; M. A., 1920.

MABEL DEANE ERWIN, *Associate Professor and Head of Clothing Department.*
B. S., Purdue, 1913; M. A., Columbia, 1925.

RUPERT WINTHROP FOWLER, *Associate Professor of English.*
B. A., Texas, 1908; M. A., Harvard, 1920.

BESSIE BEAKLEY LEAGUE, *Associate Professor.*
B. A., Texas, 1921; M. A., 1925.

HARDISTON C. PENDER, *Associate Professor of Government.*
B. A., North Texas State Teachers College, 1921; M. A., Baylor, 1926.

RAY C. MOWERY, *Associate Professor of Animal Husbandry.*
B. S., Texas A. and M., 1921; M. S., Iowa State College, 1926.

EDWARD LOOMAN REED, *Associate Professor of Botany.*
B. A., Oklahoma Baptist College, 1912; M. S., Chicago, 1922; Ph. D., 1924.

RICHARD JOEL RUSSELL, *Associate Professor of Geology.*
B. A., California, 1920; Ph. D., 1926.

ADELIN WHITE SCOTT, *Associate Professor of Education.*
B. S., Peabody, 1918; M. A., Columbia, 1921.

FRED WENCHELL SPARKS, *Associate Professor of Mathematics.*
B. A., Southwestern, 1920; M. A., 1922; M. S., Chicago, 1923.

WILLIAM MORRIS YOUNG, *Associate Professor of Electrical Engineering.*
B. S. in E. E., Illinois, 1921; M. S. in E. E., 1922; Ph. D., 1926.

WILLIAM A. WHATLEY, *Associate Professor of Spanish.*
B. A., Texas, 1920; M. A., 1921.

GEORGE LEWIS TUVE, *Associate Professor of Mechanical Engineering.*
B. S. in M. E., Minnesota, 1920; M. E., 1921.

OTTO V. ADAMS, *Associate Professor of Civil Engineering.*
B. S. in C. E., Colorado Agricultural College, 1918; M. S. E., Michigan, 1924.

HARLEY JAMES BOWER, *Associate Professor of Agronomy; Acting Head of Department.*
B. S., Kansas State Agricultural College; M. S., Ohio State, 1912.

MARIE DELLENEY, *Associate Professor of Art; Head of Department.*
B. A., College of Industrial Arts; M. A., Columbia, 1927.

WILLIAM A. P. GRAHAM, *Associate Professor of Geology.*
B. A., Minnesota, 1920; M. A., 1921.

M. F. LANDWER, *Associate Professor of Biology.*
B. A., Northwestern; M. A., Nebraska.

HAROLD R. NISSLEY, *Associate Professor of Economics and Business Administration.*
B. S. in E. E., Armour Institute; Ph. B., Chicago.

KENNETH MILLER RENNER, *Associate Professor of Dairy Products and Manufactures; Acting Head of Department.*
B. S., Iowa State College, 1921; M. S., Kansas A. and M., 1927.

F. Y. ROBNETT, *Associate Professor of English.*
M. A., Baylor.

C. C. SCHMIDT, *Associate Professor of Physics.*
Ph. D., Illinois, 1927.

J. T. SHAVER, *Associate Professor of Education.*
M. A., Columbia.

OTHER OFFICERS OF INSTRUCTION

F. I. DAHLBERG, *Instructor in Agriculture and Superintendent of Farms.*
B. S., Texas A. and M., 1925.

JOHNNYE GILKERSON, *Instructor in Physical Education for Women.*
B. A., Texas, 1924.

GRAILY HEWITT HIGGINBOTHAM, *Assistant Coach.*

HARRY HILL, *Adjunct Professor of Physics.*
B. A., West Virginia, 1922; M. A., 1924.

LIEUTENANT HUGH EDWARD KILLIN, *Student Assistant in Military Science.*

DOROTHY MCFARLANE, *Adjunct Professor of Foods.*
B. S., Columbia, 1915; M. A., 1919.

ELIZABETH THATCHER STAFFORD, *Adjunct Professor of Mathematics.*
Ph. B., Brown University, 1923; M. S., 1924.

LUCILE AVO POWELL GILL, *Instructor in English.*
B. A., Texas, 1922; M. A., 1925.

J. COYNE HARDGRAVE, *Instructor in Engineering Shopwork.*

KATHARINE HARPER, *Director of the Cafeteria and Adjunct Professor of Foods.*
B. S., College of Industrial Arts, 1918; M. A., Columbia, 1926.

CARL HENNINGER, *Adjunct Professor of Spanish.*
B. A., Indiana, 1907; M. A., Illinois, 1908.

CECIL HORNE, *Adjunct Professor of English and Journalism and Head of Department of Information.*
B. A., Baylor, 1908; B. A., Yale, 1911.

CAPTAIN RHODES INGERTON, *Director of Physical Education and Military Training.*

KENNETH LESLIE KNICKERBOCKER, *Instructor in English.*
B. A., Southern Methodist University, 1925; M. A., 1927.

HARRY LEMAIRE, *Instructor in Music; Bandmaster.*
Kneller Hall, 1882; F. R. A. Royal Academy of Music, London, England, 1883.

GEORGE AVERETT LYLE, *Adjunct Professor of Mathematics.*
B. S., Hampden-Sidney College, 1921; M. S., Lehigh, 1924.

EUGENIE MARSHALL, *Adjunct Professor of French and Latin.*
B. A., Texas, 1923; M. A., 1924.

MRS. J. M. MARSHALL, *Instructor in Chemistry.*
B. A., Texas, 1909.

PAUL GUERRANT MORRISON, *Instructor in English.*
B. A., Southern Methodist University, 1921; M. A., Chicago, 1926.

DONALD VAN DALE MURPHY, *Instructor in English.*
B. A., Tulsa, 1920; M. A., Columbia, 1926.

MRS. ROXIE CLARK READ, *Instructor in Chemistry.*
A. B., Hendrix College, 1909; M. A., Texas, 1918.

PAUL KLEIN REES, *Instructor in Mathematics.*
B. A., Southwestern, 1923; M. A., Texas, 1925.

LIMMYE VERNON ROBINSON, *Adjunct Professor of Mathematics.*
B. A., Texas, 1921; M. A., 1922.

GUSSIE LEE TEAGUE *Instructor in English.*
B. A., Oklahoma, 1923; M. A., Colorado, 1926.

ALBERT HUNTON WAIT, *Adjunct Professor of Mathematics.*
B. S. in E., Missouri, 1922; B. A., 1922; M. A., Wisconsin, 1926.

F. E. BALLARD, *Instructor in Government.*
M. A., Vanderbilt, 1926.

A. T. BISHOP, *Adjunct Professor of Mathematics.*
Graduate, West Point, 1905; M. A., Virginia, 1926.

HAROLD J. BRODRICK, *Assistant Professor of Horticulture.*
B. S., Kansas A. and M., 1926.

EUNICE COX, *Instructor in Public Speaking.*
B. S., Texas Women's College, 1922; Student Curry School of Expression, Boston; Graduate work, Chicago; Oklahoma.

M. E. FARRIS, *Assistant Professor of Mechanical Engineering.*
B. S. in M. E., Purdue, 1922; M. S. in M. E., Texas, 1926.

R. S. FOURAKER, *Assistant Professor of Electrical Engineering.*
B. S. in E. E., Texas A. and M., 1914; M. S. in E. E., Texas, 1926.

MRS. EUNICE J. GATES, *Instructor in Spanish.*
B. A., Southwestern, 1921; M. A., 1924; M. A., Michigan, 1927.

A. C. GULLIKSON, *Instructor in Engineering Drawing.*
B. S. in M. E., University of Washington, 1924.

FRED G. HARBAUGH, *Assistant Professor of Animal Husbandry.*
B. S., Iowa State College, 1927; D. V. M., 1927.

VICTOR D. PAYNE, *Assistant Coach.*

L. M. SAHAG, *Assistant Professor of Engineering Drawing.*
B. S. in E. E., University of North Carolina, 1915.

M. S. STAINBROOK, *Assistant Professor of Geology.*
B. A., Iowa, 1923; M. A., 1924; Ph. D., 1927.

EDNA WALKER, *Instructor in Clothing and Textiles.*
B. S., College of Industrial Arts, 1924.

E. W. CAMP, JR., *Teaching Assistant in Chemistry.*
B. A., Texas Technological College, 1927.

A. Y. DOHERTY, *Teaching Assistant in Chemistry.*
B. A., Simmons, 1922.

ANDREW FLEMING MOURSUND, JR., *Instructor in Mathematics.*
B. A., Texas, 1923; M. A., 1927.

INSTRUCTORS IN SPECIAL DEPARTMENTS

MARGARET JOHNSON HUFF, *Piano.*
B. Mus., American Conservatory.

ALBERT G. PFAFF, *Vocal Music.*
Pupil of Horatio Parker; Wm. H. Lee; Theodore Van Yorx; Ross David; Oscar Seagle.

*RUTH PIRTLE, *Expression.*

ANNAH JO PENDLETON, *Expression.*

HARRY LEMAIRE, *Band.*

VIOLET GRAYUM MCKNIGHT, *Voice.*
B. Mus., Baylor.

R. H. CAUSER, *Instructor in Violin.*

JULIUS F. MCDONALD, *Director of Correspondence Study.*
B. A., Baylor, 1897; B. A., Yale, 1898; M. A., Chicago, 1910.

MRS. R. M. CHITWOOD, *Assistant Dean of Women.*

LIBRARY STAFF

ELIZABETH HOWARD WEST, *Librarian.*
B. A., Texas; M. A., 1901; Texas Library Training Class, 1905-6.

EMMA LILLIAN MAIN, *Assistant Librarian.*
B. A., North Texas State Teachers College, 1924; Texas Library School, 1925-26.

MADELINE CANOVA, *Reference Librarian.*
B. A., Texas, 1927; Texas Library School, 1924.

MARVIN T. WARLICK, B. A., *Supervisor of Buildings and Grounds.*

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*On leave, 1927-28.

FACULTY COMMITTEES

(The President is ex-officio a member of all committees.)

1. Daily schedule: Deans Gordon, Leidigh, Miller, Weeks.
2. Registration: Dohoney, Gordon, Murdough.
3. Boarding houses: Horne, Ray, Mast.
4. Formal exercises: Jackson, Mast, Waghorne.
5. Student help: Horne, Read, Dohoney.
6. Athletics: Stangel, Jackson, Michie.
7. Extra-curricular activities: Granbery, Mills, West.
8. Social activities: Doak, Weeks, Ford.
9. Publications: Mills, McGee, Horne.
10. Scholarship awards: Evans, Studhalter, Camp.
11. Religious life among students: Read, Eaves, Horne.
12. System of grading: Harrison, Patton, Fowler.
13. General catalog: Five deans, including dean of women.
14. Course of study, Liberal Arts: Dean Gordon and department heads.
15. Faculty advisors: Evans, George, McCrery.
16. Artists course: Waghorne, Mills, Pendleton.
17. Summer school: Gordon, Evans, Granbery.
18. Degrees and advanced standing in Liberal Arts: Gordon, Jackson, Read.
19. Public speaking: Mills, Horne, West.

OFFICE AND OTHER ASSISTANTS

MARY SHACKELFORD, *Secretary to the President.*
MARGARET MCNABB, *Secretary to the Dean of Liberal Arts.*
EVELYN KNIPP, B. S., *Secretary to the Dean of Engineering.*
LILA MEEK, *Secretary to the Dean of Agriculture.*
S. T. CUMMINGS, *Purchasing Agent.*
JANE MARGUERITE BENNETT, B. A., *Auditor.*
MRS. VAUGHN WILSON, *Secretary to Business Manager.*
OPHELIA STEELE, *Bookkeeper.*
WILLIAM CONNER COLE, B. B. A., *Manager of Bookstore.*
CARABEL BIFFLE, *Postmistress.*
PEARL HARRISON, *Stenographer.*
SYLVA WILSON, *Stenographer.*
VIVIAN WATKINS, *Stenographer.*
LYNN DOUGHERTY, *Stenographer.*
DAN GILLEAN, *Bookstore Clerk.*
ALFRED VAN DYKE, *Bookstore Clerk.*
H. C. HERVEY, *Athletic Manager.*
J. A. PIPKEN, *Engineer.*
J. H. BENNETT, *Assistant Engineer.*
JACK HIGHTOWER, *Night Watchman.*
JOHN GOODLETT, *Watchman.*
J. A. LINDSEE, *Carpenter.*
J. H. TURNER, *Carpenter.*
E. C. MCLAIN, *Groundman.*
JOEL BONDURANT, *Groundman.*
J. T. HUGHES, *Groundman.*
I. T. WEED, *Fireman.*
E. MUGGLETON, *Fireman.*
ALTHA POAGE, *Switchboard Operator.*
ALMA ODOM, *Library Assistant.*
GRADY MOORE, *Library Assistant.*
RUE EUBANKS, *Library Assistant.*
LOLA MAE ROZELL, *Library Assistant.*
EVELYN WILSON, *Library Assistant.*
MARY HOPE WESTBROOK, *Secretary to the Registrar.*
IRWIN COLEMAN, *Registrar's Assistant.*
DAYLE WALLACE, *Registrar's Assistant.*
DR. Y. J. AIKEN, *Lecturer in Veterinary Medicine.*
CLAUDE HOPE, *Biology Assistant.*
PAULINE MILLER, *Biology Assistant.*

J. I. KENDRICK, JR., *Biology Assistant.*
EWELL HUNT, *Biology Assistant.*
CHARLES READ, *Biology Assistant.*
T. M. BINNION, JR., *Chemistry Assistant.*
JAMES HALE, *Chemistry Assistant.*
LOY CROSS, *Chemistry Assistant.*
MILDRED TRADER, *Chemistry Assistant.*
MARION GREEN, *Chemistry Assistant.*
DON ROBERSON, *Chemistry Assistant.*
PAUL LEFFORGE, *Chemistry Assistant.*
ROSS OWENS, *Chemistry Assistant.*
BAYLOR DURHAM, *Chemistry Assistant.*
MRS. MARY DALE BUCKNER, *Government Assistant.*
ELDON THORPE, *Geology Assistant.*
AGNES BROWN, *Geology Assistant.*
ZELDA RAY, *Geology Assistant.*
W. E. STREET, *Assistant in Engineering Drawing.*
JACK MADDOX, *Assistant in Engineering Drawing.*
JAMES BIGGERS, *Assistant in Civil Engineering.*
LEON SPARKS, *Assistant in Civil Engineering.*
JOHN BOYD, *Assistant in Civil Engineering.*
FLOYD ANGLIN, *Home Economics Assistant.*
T. A. ROGERS, *Physics Assistant.*
WM. TUCKER, *Physics Assistant.*
TED SAMS, *Physics Assistant.*
KATHERINE BRYARLY, *Switchboard Operator.*
JERRY TAYLOR, *Stenographer.*
NINA ROBERSON, *Home Economics Assistant.*
NORA HARDING, R. N., *Lecturer in Home Nursing.*
IVA WILSON, *Student Assistant to Dean of Women*

TEXAS TECHNOLOGICAL COLLEGE

The College opened its doors for the enrollment of students for the first time on October 1, 1925. At the close of the first year there had been enrolled 1043 students. During the long session of the second year there were enrolled 1535 students. The enrollment for the summer term of 1925 was only 336, as the length of the term was only six weeks, due to the fact that there was no definite appropriation by the Legislature for the summer school. The summer session for 1927 was twelve weeks in length. On this date, July 29, there are enrolled 677. Of this number, 319 had been students during the long session, whereas 358 enrolled for the first time this summer. The total enrollment from September 20, 1926, to July 29, 1927, was as follows:

LONG SESSION, 1926-27.

School	Freshmen	Sophomores	Juniors	Seniors	Total
Agriculture	62	29	16	..	107
Engineering	260	111	15	..	386
Home Economics	92	36	10	..	138
Liberal Arts	537	279	60	28	904
Totals	951	455	101	28	1,535

SUMMER SESSION, 1927

ENROLLMENT BY SCHOOLS.

Liberal Arts	515
Engineering	76
Home Economics	57
Agriculture	29
Total	677

Students in Summer School who registered during long session	319
New students enrolled for Summer School	357
Enrollment for long session, 1926-27	1,535
Total enrollment for 1926-27	1,892

Men	1,085
Women	807

FRESHMAN ORIENTATION FOR THE YEAR 1927-28.

In keeping with many of the better schools of the country, Texas Technological College will this year institute what it proposes to call a Freshman Orientation Period embracing the dates, Friday, Saturday and Sunday, September 16-18, inclusive. All students who plan to enroll in the Freshman class are asked to report to the College on the afternoon of September 15 or the early forenoon of September 16. A general convocation will be held at 10 o'clock on Friday, 16, at which time it is definitely hoped that a very large percentage of the Freshmen for the year 1927-28, both men and women, will be present. At the convocation, President P. W. Horn of the College will give an address. Students will be definitely enrolled and full announcements of the program throughout Friday, Saturday and Sunday will be made. Further and fuller announcements may be had on application to the Registrar.

APPROPRIATION BY THE LEGISLATURE.

Besides making it possible for the needed expansion of the Faculty, due to the largely increased enrollment of the College, the Legislature appropriated approximately $600,000 for new buildings for the Texas Technological College. A description of the new buildings for the Engineering School, School of Agriculture and School of Home Economics will be found under the heads of these institutions. A new Science Building, costing $225,000 with an additional $50,000 for its equipment, is to be constructed in 1928. This building will house for the immediate future the Departments of Chemistry, Physics, Biology, and Geology. As the institution grows, other departmental buildings will be asked for, and the present building is accordingly being designed for ultimate use as a Chemistry Building. This fact will in no sense interfere with meeting every need and requirement of the other departments, since most of the basic principles of laboratory design are the same for all of the sciences. The building will conform to the general plan of other college buildings, but at the same time will be of such construction as to offer the maximum of durability and usefulness with minimum cost. Extreme flexibility in the matter of partitions and general interior design is the ideal of those who have to do with its construction.

The Science Building will be a two-story structure with full basement, and will have about 50,000 square feet of floor space on the two main floors. It will embody the most modern ideas in design and construction, and will contain class rooms and lecture rooms fitted for demonstration experiments, laboratories for elementary and advanced courses and for the teaching staff, offices, reading room, rest room for young women, first-aid room, stock and storage rooms, and a shop for mechanician and glass blower. This building will make possible a great deal of instruction and experimental work which could not be undertaken in the present quarters of the Administration Building. The building will be a unit structure, which may be extended to future needs.

GENERAL INFORMATION.

EXPENSES.

The Texas Technological College, being a State institution, has no tuition fees. The enrollment and other incidental fees, due and payable in advance, are $10 per term. This includes the medical fee, library fee and artists' course.

Student activity fee (not compulsory), $10 a year.

In addition to the above, laboratory fees are charged for all courses where the laboratory work is a part of the course.

FEES FOR SPECIAL COURSES.

A special fee is charged all students taking work in expression, vocal music, piano and violin. There is no extra charge for the numbered courses in music and public speaking which are given as regular college courses. For private work the charges are as follows:

Voice, Mr. Pfaff, 2 lessons per week, per term	$48.00
Voice, Miss Grayum, 2 lessons per week, per term	30.00
Piano, Miss Huff, 2 lessons per week, per term and 1 class lesson in theory	30.00
Violin, Miss Owens, 2 lessons per week, per term	30.00
Expression, Miss Pendleton, 2 lessons per week, per term	18.00

LABORATORY BREAKAGE AND FEES.

All students pursuing laboratory courses are required to pay laboratory fees. The fees are intended to cover the cost of the materials used. In the case of breakage charges there is a refund of all unused fees. The breakage deposit is made but once, unless the deposit is used up. The laboratory fees are payable quarterly.

LATE ENROLLMENT AND CHANGE OF COURSE FEE.

Any former student who enrolls after the final date set for registration will be charged a late enrollment fee of $2.00 for the first day and 50 cents for each additional day thereafter. A student who changes his course after his registration is completed will be charged a fee of $1.00.

After registration, a student may change from one section of a course to another only on petition approved by the chairman of the department concerned and the dean of the college or school, and the payment of a fee of $1.00.

All fees are due and payable at the beginning of each term. They are to be paid to the College secretary, who is the business manager. Room 104, Administration Building, and must be paid before the student's class card is sent to the instructor.

THE COLLEGE PHYSICIAN.

The institution does not have a College physician, as a member of its staff; however, a contract has been entered into with the Lubbock Sanitarium whereby our students all have exceptional medical attention.

1. Each student is given a thorough physical examination at the beginning of the year, or at his entrance in the school. In case of abnormalities, he is given advice with a recommendation as to treatment or exercise.
2. He is allowed free consultation with the school physicians at any time he desires it.
3. The physicians will make, without further charge, calls at the students' homes or at the Sanitarium.

4. Students will, in case of necessity, have free use of hospital facilities, including board, lodging, and general nursing in the Sanitarium, provided this need does not exceed twenty-one days in any one school year. In the event of an epidemic, this limit may be reduced, and, in case of necessity, the limit may be extended. Any reduction or extension will be made only upon the recommendation of the President of the College. These provisions apply only to the relief of acute conditions and do not include special nursing unless authorized by the President of the College in cases where students are financially unable to employ a special nurse.

5. If an ambulance or carriage is required to carry the student to the Sanitarium, this will be furnished without additional charge.

6. The student will receive without further cost any pathological or X-ray examinations which may be needed.

7. Any minor surgical operations which may be needed by the student, such as for cuts, sprains, simple fractures, and vaccination, will be performed for him without further cost.

8. The student will receive without further cost examinations and treatments by specialists for eye, ear, nose, and throat difficulties. This, however, does not include operations for the removal of tonsils, or for chronic nasal disease or for special operations on the eye or ear.

9. On all operative work not covered by the medical fee students will receive a discount of 25 per cent from the regular charge.

10. First aid service and consultation with the school physicians can be had at stated hours each day at an office provided by the College on the campus, or at the Lubbock Sanitarium, or at the student's residence.

11. Daily services of a trained nurse can be had at this office during the school year at hours to be announced.

12. Members of the Faculty and their families will receive medical and surgical attention at a discount of 25 per cent.

13. Casualty work for employees injured while on duty in their respective services for the College will be cared for by the Staff without charge. This does not include hospitalization, and will apply only to those injured while on duty during working hours.

Any student desiring to receive treatment from any physician other than the school physicians is permitted to do so at his own expense.

ENTERTAINMENT FOR STUDENTS.

The Artist Course, furnished last year to the College student body at a cost of $2.50 each, brought a comic opera company, a dramatic stock company, a male quartet, Edwin M. Whitney, of Boston, the dramatic impersonator and Margaret Matzenauer, prima donna contralto of the Metropolitan Opera Company, New York. In addition, the Choral Club of the College presented Cowen's "Rose Maiden," and the College Band gave some free concerts. The Dramatic Club of the College usually offers a short play each week, and the town supports a Little Theatre movement.

SOCIAL ACTIVITIES.

The social activities of the College are under the joint direction of the Social Activities Committee, composed of members of the Faculty appointed by the President, and the Student Council. All College social affairs must be scheduled and approved by the Social Activities Committee.

It is the purpose of the joint committee to furnish suitable social life for the students of the Texas Technological College.

RELIGIOUS ACTIVITIES.

The churches of Lubbock have been faithful in their efforts to serve the students of the College. Several of them have employed workers to care for the students of their individual denominations. The Sunday Schools and the young people's organizations have attracted a considerable number of students. The College has arranged during the period of registration to supply the churches with the names of students and their church preferences and affiliations.

The Young Women's Christian Association of the College has been greatly aided by the women of the Faculty and of the city. This organization was able to send three members to the recent student conference at Hollister, Missouri. A campaign is now being carried on to secure a permanent general secretary for the College Young Men's Christian Association.

CLUBS AND SOCIETIES.

There are many clubs and societies in the College by which the student may profit. Some of these are directly related to the regular school work, and have the hearty approval and active co-operation of the Faculty. Only a few of these are here mentioned.

The Woman's Athletic Association is to promote interest in athletic activities among the girls.

The Sock and Buskin Club is for those interested in dramatic performances.

The Spanish Club is to stimulate interest in the Spanish language.

The Press Club was organized to promote interest in creative writing.

The Agricultural Club, the Home Economics Club, and the Engineering Society are connected with the respective schools in which the College is divided. The Pre-Medic Club and the Pre-Law Club have the interests indicated by the names. There are a Social Science Club and a Sociological Society.

THE SOCIOLOGICAL SOCIETY.

During the first year of the existence of the College there was organized a Sociological Society, which has held a number of helpful meetings. The membership is composed of mature students of sociology who meet from time to time to discuss social problems.

THE SOCIAL SCIENCE CLUB.

The national honor social science society, Pi Gamma Mu, has a strong and active local chapter. The purpose is to promote interest in social science. Among the conditions of membership is the requirement that one be at least a second-term junior. Regular meetings are held on the second Friday night of each month.

ATHLETICS.

The physical development of the student is quite as important as his mental development. The most important object of education is to fit the individual for life. Life is a co-operative enterprise, so is intercollegiate athletics. Athletics, therefore, becomes a most important laboratory for College students.

The Texas Technological College fosters and encourages all branches of athletics. Adequate provision in the way of a coaching staff, grounds and equipment, has been made to take care of the major sports.

The College gymnasium, with a seating capacity of 2500, includes a 50x90 foot basketball playing court, dressing, locker and equipment rooms, as well as offices for the coaching staff.

The athletic field consists of 40 acres and includes a turfed turtle-back football playing field, a playing baseball field, tennis courts, a 220-yard straightaway, a 440-yard track (both are curbed with concrete), practice fields in baseball and football and steel stands and removable bleachers with seating capacity of 7000.

All forms of athletics are under the strict supervision of the College. Eligibility rules, similar to those of the Southwestern Conference with the exception of the Freshman rule, have been recommended by the Athletic Committee and adopted by the College Faculty.

SCHOLARSHIPS AND PRIZES.

Scholarships and prizes for the year 1926-27 were given as follows:

W. C. Hedrick scholarship of $250 for highest standing student in scholarship awarded to Owen Merle Fowler of Lubbock, Texas.

Lynch Davidson scholarship of $250 for highest excellence in oratory awarded to Irwin Coleman of Vernon, Texas.

John W. Carpenter scholarship of $250 for student with highest excellence in textile engineering awarded to DeWitt McGehee of Wayside, Texas.

Clifford B. Jones scholarship of $250 for student with highest excellence of work in agriculture awarded to Warren Huff of San Antonio, Texas.

Fort Worth Star Telegram scholarship of $250 for the best all-round athlete awarded to Ransom Walker of Mission, Texas.

Faculty scholarship of $125 for some worthy young man, to be selected by the Faculty, awarded to Wilson Drake of Kress, Texas.

Mary T. Carpenter scholarship of $100 for that young woman who shall be adjudged by the Faculty to have been the best College citizen among the young women of the College for the year just closing, awarded to Anna Belle Collins of Channing, Texas.

Lewis T. Carpenter scholarship of $100 for that young man who shall be adjudged by the Faculty to have been the best College citizen, awarded to Horace Grady Moore of Floydada, Texas.

The Dr. J. T. Hutchinson scholarship of $100 to be awarded to the young man who has the highest standing in English during the College year, awarded to H. C. Hervey of Chatfield, Texas.

The Dr. J. T. Hutchinson scholarship of $100 to be awarded to the young woman who has the highest standing in English during the College year, awarded to Miss Frances Sinclair of Lubbock.

The cash prize given by the Pan-Hellenic Society of Lubbock to the student making the highest grade in Home Economics was awarded to Iola McPherson of Amarillo, Texas.

The E. O. Thompson scholarship of $250 for the most worthy young man of the Junior Class was awarded to Dayle Wallace of Mt. Calm, Texas.

The E. O. Thompson scholarship of $250 for the most worthy young woman of the Junior Class was awarded to Mrs. E. M. Barnett of Lubbock, Texas.

STUDENT EMPLOYMENT.

Students desiring employment should file application with the Student Employment Bureau after they have definitely decided to enter Texas Technological College. It is advisable to present entrance credits to Registrar for approval before making such application. It will be necessary for every student receiving aid from the Bureau to establish fully the need for such assistance.

The Student Employment Bureau extends every possible aid and guidance to the worthy student, but does not assume responsibility for the success of his efforts. It is not wise for anyone to come to Texas Technological College with the expectation of earning all expenses unless a position has been secured in advance. A good many earn all or a major portion of their expenses, but this is often at a sacrifice of health or creditable classroom work. Every student should have some reserve fund to provide for unexpected contingencies. The boy or girl with good health, strong character, and pleasing personality will usually succeed where these qualities are combined with industry and reliability.

Worthy students have been materially aided by the Lubbock Rotary Loan Fund and by loans from certain other organizations and from individuals who believe that this kind of investment is very much worth while. Reference to student scholarships and prizes mentioned elsewhere in this catalog is suggested.

An average of 300 students has been working regularly during the long term, earning a total of approximately $50,000. The average wage paid is 35 cents per hour.

Students in Texas Tech are engaged in almost every imaginable kind of legitimate work. Some of the more common forms of employment are listed below:

For Young Women.

Office work
House work
Telephone operators
Teaching piano
Clerking
Dining room service
Laboratory assistant
Library assistant
Stenographers
College cafeteria
Telephone exchange

For Young Men.

Experimental station
Assistant librarian
Assistants in the Physics Department
Textile Engineering assistants
Chemistry assistants
Stenographers
Office work

College cafeteria
Moving picture operator
House work
Photographer
Bakery and confectionery
Draftsmen
Musicians
College dairy
Waiters
Carpenter work
Garage work
Telephone exchange
Printers
Janitors
Clerks
Tailors
Chauffeur
Railroad employee
Newspaper work
Radio expert
City employes

BOARDING.

While the College has not as yet its own dormities, there are a number of privately-owned dormitories, both for men and for women, where students find excellent accommodations. The management of these dormitories and the College authorities co-operate closely, thus insuring good results to the students. The dormitories are regularly heated with steam, have hot and cold running water in each room, and other modern conveniences, making very satisfactory students' homes.

Prices for board and room range from $30 to $40 per month.

Students who prefer to room in private homes find ample facilities near the College. Approved lists of rooming houses, both for men and for women, are always kept at the College and are being continuously revised. The Dean of Women, with her assistants, looks carefully after boarding and rooming houses for young women, while a regular boarding house committee of the College Faculty assists young men.

Prices for room and board in private homes range from $25 to $35 per month.

THE COLLEGE CAFETERIA.

The College maintains on the campus a cafeteria operated under the supervision of the School of Home Economics. Here a variety of wholesome, well-cooked food is served for the benefit of the students and faculty. The charges for food and service are exceedingly moderate and make it possible for a student by careful selection to reduce the cost for meals to a minimum.

A number of young men and young women earn their meals by work in the cafeteria.

COEDUCATIONAL.

The bill by which the Texas Technological College was established provides that the institution shall be coeducational, a policy which the management of the institution is pleased to make its own. Consequently from the day the doors first opened young women and young men have been admitted on an equal basis and each has proven an inspiration to the other.

DEMOCRACY OF SPIRIT.

The College believes, to be sure, that college life is actually living in the present. On the other hand, it believes just as firmly that present college life should prepare definitely for responsibilities in life after college days are over. Furthermore, in a great democracy like our own it stands to reason that democracy of spirit among our student body makes possible the best preparation for a democratic citizenship.

Consequently class distinction is frowned upon, hazing, and secret societies, especially Greek letter fraternities, are forbidden, and every student is encouraged to make a place for himself of real worth to himself and to his community.

SESSIONS AND TERMS.

The sessions of the Texas Technological College consist of the regular annual session of approximately thirty-six weeks and the summer session. The annual session is divided into three terms, each comprising a comparatively distinct unit. The summer session is equal in time and amount of work done to any one of the regular session terms.

At the close of each term, examinations are given and final grades for the term recorded. A student may enter at the beginning of any term, provided courses are offered that will fit his schedule.

The annual session for 1927-28 will begin September 19, 1927, and close June 1, 1928. The summer term will follow, beginning June 4 and closing August 24.

REGISTRATION.

At the beginning of each term a certain amount of time is set aside definitely for the registration of students. At that time class and other work is suspended and the College gives its entire time to properly placing the students. Students are expected to enroll on the days set aside for registration, and failure to do so entails the payment of a late registration fee.

TRANSCRIPTS OF HIGH SCHOOL CREDITS.

Students proposing to enter the College and who come from high schools should have a transcript of their high school credits sent to the Registrar of the Texas Technological College by September 1st of the year in which they wish to enroll. This transcript should show that the student has been graduated from the high school with not fewer than fifteen units and should be signed by the superintendent or the high school principal.

TRANSCRIPT OF COLLEGE CREDITS.

Students who have attended other colleges and have made good in such colleges will be welcomed in Texas Technological College if they feel that their particular needs can be better met at this institution. In such cases they should have the registrar of the college attended send a transcript of their college credits, including entrance units, to the Registrar of the Texas Technological College. Such transcript should carry with it honorable dismissal from the institution attended, and should be forwarded to the College, at least five days before the date on which the student expects to enter.

WITHDRAWAL FROM COLLEGE.

A student who finds it necessary to withdraw from school before the close of the term should apply to the dean of the school in which he is registered for permission to withdraw. If the dean is convinced that withdrawal is necessary, the student will be given honorable dismissal from the College and any unused part of his laboratory fees will be returned.

A student under twenty-one years of age should first consult his parents and should bring with him a written statement showing that he has his parents' permission to withdraw.

REGULATIONS REGARDING ABSENCES.

1. Students are required to be diligent in the pursuit of their studies and regular in their attendance at class. Those who fail to meet these requirements will be requested to withdraw.
2. Students are required to attend all meetings and examinations of courses for which they are registered. For each twelve absences per term in any or all subjects, the student will be required to complete one extra hour for graduation. The grade point rule is to apply to extra hours thus required.
3. Absences with athletic teams, debating teams, or other organizations which leave the College on official work, and absences of individuals who are permitted by the President or the Deans to leave the College on official business pertaining to the College, or some organization thereof, are counted at half rate, provided the coach, manager, or other person in charge, files with the Registrar, before leaving the College, a certificate upon a form prescribed by the College, for each student who proposes to make the trip.
4. Absences due to sickness of the student, or of some member of his immediate family, or to death in the student's immediate family, count at half rate, provided the student files in the office of the Registrar, not later than one week after the return of his classes, upon a form prescribed by the College, a statement of the cause of his absence, verified by the certificate of the attending physician. Such certificate forms may be obtained from the office of the Registrar and also from the College physicians.

Students incurring absences in accordance with the regulations as stated in section three and section four may have the privilege of making up the lost recitations, as evidenced by turning in written work, or in some other manner satisfactory to the instructor concerned. When such lost recitations have been made up, the remaining absences are removed. Applications for the privilege of making up absences must be made to the Registrar and approved by the dean of the respective school within one week from the time of return to the College.

DISCIPLINE.

The discipline of the young women of the College is in charge of the dean of women, whereas the dean of the School of Liberal Arts looks after the discipline of the men students.

SUSPENSION FROM SCHOOL.

If a student convinces the authorities of the College that he is proving an unworthy citizen of the College community and fails to react in the right way to the counsel given him, such a student is dropped from the institution's class rolls. Such suspension may be for the remainder of the term or of the school year, or it may be made permanent. In no case are fees remitted to a student suspended from school by the College authorities.

PHYSICAL EDUCATION.

A minimum of two years physical education for women and physical training or military training for men is required for graduation from the College. Participation in major college sports can be substituted for the regular work in physical education or physical training during the time engaged in college sports upon the recommendation of the coach of the various sports.

EXPLANATION OF COURSE NUMBERS.

The numbers used for designating the courses are uniform in each of the four schools and regularly consist of three digits. Reckoning from left to right the first digit designates the college year in which the course is to be taken; the second digit shows the number of credit hours carried with the course, while the third digit represents the course number. 100-199 regularly represents freshman courses; 200-299, sophomore; 300-399, junior, 400 and above show senior courses.

GRADES OF SCHOLARSHIP.

The marking system used in the College is: A, excellent; B, good; C, fair; D, passing; E, condition; Inc., incomplete; F, failure.

The grade of E is only used in a continuous course and may be raised to a passing grade by the student's making a grade of C or better in the succeeding term.

The grade of Inc. is given in general because of incomplete work in a course, and may be raised to a passing grade within one year by the completion of the required work.

GRADE POINT REQUIREMENT FOR GRADUATION.

To secure any degree in this College a student must receive as many grade points as he is required to make term-hours. For grade A, three grade points are awarded for each term-hour; for grade B, two points; for grade C, one point; for grade D, no points.

No grade points are required or allowed for credits accepted from other institutions, for credits made in this College prior to September 1, 1926, or for credits made in physical education or physical or military training. A student who has the number of term-hours required for graduation, but not the corresponding number of grade points, may satisfy the grade point requirement by taking additional courses until the grade point requirement has been met.

PRESENT ORGANIZATION OF COLLEGE COURSES.

For the beginning year, 1925-26, courses were definitely organized for the freshman and sophomore years. However, certain students of junior standing or above who lacked freshman or sophomore subjects enrolled in the College. This year junior courses are regularly scheduled and a number of senior courses are being given due to the insistent calls for such courses. Beginning with the year 1927-28 and thereafter the full four years' work will be given in all the colleges.

THE FIRST SENIOR CLASS.

When the enrollment for the fall term of 1926 was completed, it was found that some thirty-two students with senior standing were among those enrolled. The class organized and made its plans to constitute the first senior class of the Texas Technological College. Fourteen members of the class were graduated at the close of the spring term and fourteen expect to finish during the summer term. These twenty-eight students constitute the first graduating class of the Texas Technological College.

CORRESPONDENCE COURSES.

Special arrangements have been made for correspondence work in a limited amount for those persons who cannot attend college and yet feel the definite need of making certain college courses. The work for the present is largely limited to history, government, economics, and education. Persons interested should address Professor J. F. McDonald, care of the Texas Technological College.

THE COLLEGE BOOKSTORE.

For the convenience of the students and Faculty the College maintains a bookstore, at which all school books, tablets, pencils, drawing sets, etc., may be purchased. The bookstore is located in one of the College buildings and is kept open at practically all school hours.

STUDENT LIFE REGULATIONS.

Housing Regulations.—Students, both men and women, not residing with their parents while attending the College, are expected to conduct themselves in a proper and reasonable manner in their rooming houses, maintaining at all time conditions suitable for quiet study. They are not allowed to room or board at any house not approved by the Faculty for that purpose.

A student who engages room, or room with board, may not change his place of residence unless by request of the proprietor, or unless given permission to move by the dean to whom he is responsible.

A student who is sent to the hospital shall continue to pay his room rent in full to the end of the month, and shall pay board in full for the first three days.

The proprietor of a rooming or boarding house on the approved list is requested to report any cases of misconduct of such a nature as to interfere with the general good order of his house.

Special Regulations Applying to Women Not Residing With Their Parents.

1. All women students must register their residence with the Dean of Women at the time of registration, and will not be allowed to live in a house not on the official list, except by special permission of the Dean of Women.

2. All women students residing in rooming houses and dormitories must sign up with the housemother before going out in the evening.

3. Quiet hours shall be maintained after 8 o'clock every night except Friday and Saturday nights, holidays, and the night preceding holidays.

4. Women students are not expected to attend more than two social affairs during the week. They are expected to be in their homes by 12 o'clock on the night of such parties. Social affairs on nights other than Friday and Saturday should be arranged for with the Dean of Women.

5. On all nights other than those specified, women students are expected to be in their rooms by 10:30.

6. All housemothers are requested to co-operate with the Dean of Women in furnishing sane, healthful surroundings for the women of the College. Cases of illness among women students should be reported at once to the Dean of Women.

Official Lists of Rooming Houses.—The College has a standing committee on house arrangements for students. This committee attempts to furnish a list of approved boarding and rooming places for men and women.

In order to be placed on this list, the proprietor must be a person of good moral character, and must be willing to co-operate with the College in carrying out its regulations. The house must be used for rooming men or women exclusively, unless such a house is given over entirely to married couples. A house should be screened, should have sewerage connections, have hot water available in the bathrooms, and have adequate heating facilities for bedrooms. There should be a parlor available in each girls' house. Failure on the part of the householders to provide the accommodations specified should be reported to the housing committee.

Housing Accommodations for Men.—Rooming and boarding houses are being operated near the campus. Cheri Casa and other dormitories have been opened. A list of approved boarding houses will be furnished upon application to the Information Bureau.

Housing Accommodations for Women.—College Inn, a girls' dormitory, and boarding and rooming houses are available within a short distance of the College. A list of approved boarding houses will be furnished upon application to the Dean of Women.

Changing Rooming Places.—Much inconvenience has resulted from the seemingly promiscuous changing of rooming places on the part of a comparatively large number of men of the College. In several cases it has been impossible to deliver sick messages to young men who did not live at the place named on their schedule cards. It is probable that the men have not fully realized the necessity of keeping the College notified as to their Lubbock address. Definite consideration by the College authorities has been given to this promiscuous changing of boarding places and the following announcement is authorized.

If a young man finds it necessary to change his place of residence in Lubbock, he must come to Mr. Cecil Horne at the information office and make his request known, filling out a blank which is kept for that purpose. Permission to move will not be withheld from any student where there is good reason for moving. On the other hand, students changing their addresses without permission will subject themselves to serious discipline at the hands of the College authorities.

Women desiring to move should make application to Mrs. Mary W. Doak, Dean of Women.

ENTRANCE

The Registrar of the Texas Technological College has charge of all matters relating to admission to any school or schools of the College. All communications regarding entrance requirements should be addressed to him.

GENERAL ADMISSION REQUIREMENTS.

Admission to the College is open to students of good moral character, both men and women, who can meet the entrance requirements and are able to profit by the work of the College. Applicants should bring with them a certificate of successful vaccination for smallpox or be vaccinated after coming to Lubbock. The College medical fee includes vaccination privilege.

SCHOLARSHIP REQUIREMENTS.

Admission to any of the schools of the College requires fifteen high school units, among which number must be at least three units of English and two of mathematics. Specific requirements for a particular school may be found under the discussion for admission requirements for each school, e. g., engineering, agriculture, etc.

ADMISSION BY CERTIFICATE.

Graduates of accredited high schools presenting a minimum of fifteen units will be admitted to the freshman class of the College without examination. For unconditional admission to a particular school of the College the required units for admission to that school must be included in the list of credits offered from the high school.

SUBJECTS AND UNITS ACCEPTED FOR ADMISSION.

A unit implies nine months of high school study of five class periods a week at least forty minutes long, constituting approximately one-fourth of a year's work.

Prescribed.

English, 3
Algebra, 1
Plane Geometry, 1

(For additional prescribed units, see entrance requirements for various schools or colleges.)

**Complete List.*

Advanced Arithmetic, ½
Agriculture, ½ to 1
Advertising, ½
Ancient History, 1
Algebra, 1 or 2
American History, ½ to 1
Art, 1 to 4
Botany, 1
Bookkeeping, 1 to 1½
Biology, 1
Bible, ½ to 1
Chemistry, 1

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*Not more than four units in vocational subjects may be used.

Commercial Arithmetic, ½
Commercial Geography, ½
Civics, ½ to 1
Commercial Law, ½
Design, ½ to 1
English, 2 to 4
Economics, ½
English History, ½ to 1
French, 2 to 4
German, 2 to 4
General Science, 1
Home Economics, ½ to 4
Hygiene and Home Nursing, ½
Latin, 2 to 4
Mechanical Drawing, ½ to 4
Modern History, 1
Music, 1 to 4
Office Practice, ½
Physics, 1
Plane Geometry, 1
Physiography, ½
Physiology and Hygiene, ½ to 1
Public Speaking, ½ to 1
Psychology, ½
Retail Selling, ½
Salesmanship, ½
Spanish, 2 to 4
Solid Geometry, ½
School Management, ½
Sociology, ½
Stenography and Typewriting, 1 to 2
Shop Work, ½ to 4
Trigonometry, ½
Typewriting, ½
Vocational Agriculture, 1 to 4
World History, 1
Zoology, 1

ADMISSION BY EXAMINATION.

Students who have not been graduated from fully accredited high schools have the privilege of presenting themselves for entrance examinations, passing which they will be admitted to the freshman class.

In the spring each year entrance examinations are held throughout the State under the supervision of the State Department of Education. The examinations held in May are conducted in each county and the papers are graded by the State Department at Austin. Subjects successfully passed and certified to by the State Department will be accepted for entrance to the Texas Technological College provided they are subjects that meet our requirements.

At the opening of the fall term each year and at the beginning of the winter term, the College gives entrance examinations to those who need credits for entrance. The examination for the fall term of 1927 is as follows:

SCHEDULE OF ENTRANCE EXAMINATIONS.

Fall Term, 1927-28

Thursday, September 15.

Forenoon:		Afternoon:	
8:00-10:00	10:00-12:00	1:00-3:00	3:00-5:00
English	Economics	Algebra	Manual Training
Biology	Stenography	Agriculture	Zoology
Botany	Typewriting	Sociology	Commercial Geog.

Friday, September 16.

8:00-10:00	10:00-12:00	1:00-3:00	3:00-5:00
Amer. History	Public Speaking	French	Dom. Art
Ancient History	Chemistry	German	Dom. Science
Modern History	Physics	Spanish	Drawing
Physiology		Latin	Civics

Saturday, September 17.

8:00-10:00	10:00-12:00	1:00-3:00
Plane Geom.	Amer. History	Advanced Arith.
Solid Geom.	Eng. History	Gen. Science
Trigonometry	Bookkeeping	Physiography
		Com. Law

BY STATE TEACHER'S CERTIFICATE.

Applicants holding a State teacher's certificate based on State examinations will receive credit in proportion to the number of acceptable subjects taken for the certificate.

Students holding teacher's certificates granted by the State Board of Education are requested to submit their reports from the State Board of Examiners and they will be given credit for affiliated subjects on which they have passed the State examinations.

BY INDIVIDUAL APPROVAL.

At the discretion of the dean of the particular school, mature students (twenty-one years of age or over) may be admitted to College classes without having met the formal entrance requirements. An applicant for admission on individual approval will fill out the special application blank, write a composition of not less than five hundred words, and show by whatever other means the dean requires that likely he is able to make the courses for which he wishes to enroll. Before becoming a candidate for a degree, he will be expected to have met the entrance requirements and be regularly enrolled in College.

ADMISSION WITH CONDITIONS.

To enroll in the College a student must offer by examination or certificate, fifteen high school units or their equivalent. Included in the fifteen must be three units in English, two of a foreign language and one each in plane geometry and algebra if the student enters without conditions. However, if he is able to present fifteen accredited units which do not include either the foreign language or the mathematics, he may be admitted to the freshman class provided the conditions are all removed by examination or otherwise before he can be enrolled in any sophomore courses in the College. The first course in any of the foreign language courses (131, 132, 133) may be used to absolve the two entrance units in this language, but of course it cannot at the same time earn college credits.

ADMISSION TO ADVANCED STANDING.

Students transferring from other colleges of equal standing of the Texas Technological College will be given full credit for all courses taken in such colleges, provided such courses or their equivalent are given for credit at the Texas Technological College. Wherever there is doubt about certain courses, the matter should be taken up with the dean of the school in which credit is desired.

PRE-MEDICAL, AND PRE-LAW REQUIREMENTS.

While Texas Technological College does not have a school of law or of medicine, it offers college courses preparatory to admission to regular schools of medicine and of law.

STUDIES PREPARATORY TO LAW.

The minimum requirement for admission in any standard law school is fifteen (15) entrance units, as prescribed by the College of Liberal Arts, and two full years of college work (10 courses). One of these courses must be in English and one in government or economics.

The following curriculum is recommended for students who contemplate the study of law:

Freshman year: English; a foreign language; history; government; mathematics or a natural science.

Sophomore year: English, the third quarter of which may be public speaking; a second course in the foreign language begun in the freshman year; American history; economics; government.

Junior year: If the student desires to take a third year of work preparatory to the study of law, which is always desirable, the work should be selected mainly from the social science group, and should include psychology or philosophy.

BACHELOR OF ARTS DEGREE FOR PRE-LAW STUDENTS.

Pre-Law students may obtain the Bachelor of Arts degree from the Texas Technological College upon the completion of three years of work in the Liberal Arts College of this school and three years' work in a standard law school.

The three years' work in the Texas Technological College must be of such a nature that it will satisfy all graduation requirements with the exception of the major and minor subjects.

STUDIES PREPARATORY TO MEDICINE.

The minimum entrance requirements are fifteen standard units as prescribed by the School of Liberal Arts and a minimum of two full years of college work. The following curriculum is recommended for students who plan to study medicine:

Freshman Year.

English 131, 132, 133—Composition and Rhetoric.
German 131, 132, 133—German for Beginners; or
French 131, 132, 133—French for Beginners.
Government 131, 132, 133—American Government.
Chemistry 141, 142, 153—Elementary and General Chemistry for Pre-Medic Students.
Zoology 131, 132, 133—General Zoology for Pre-Medic Students.

Sophomore Year.

English 231, 232, 233—English and American Masterpieces.
The foreign language begun in the freshman year (Course 231, 232, 233).

Chemistry 343, 344, 345—Organic Chemistry.
Physics 141, 142, 143—General Physics.
Zoology 237, 238, 239—Vertebrate Anatomy.

Junior Year.

Chemistry 237, 238, 239—Analytical Chemistry.
Zoology 331, 332, 333—Animal Cytology and Embryology.
The language not studied in the freshman and sophomore years*.
(Course 131, 132, 133.)
Philosophy or Psychology, one-third course.
Electives, one and two-thirds courses.

Senior Year.

Chemistry, one or two additional advanced courses.
Zoology, one or two additional advanced courses.
The language begun in the junior year (Course 231, 232, 233).
Electives sufficient to make five courses.

BACHELOR OF ARTS DEGREE FOR PRE-MEDICAL STUDENTS.

In addition to the above specific requirements, the following general conditions are to be met if the student wishes to obtain the degree of Bachelor of Arts from Texas Technological College:

1. At least one year (the senior year) of residence at Texas Technological College.
2. Five advanced courses, at least two of which are to be in Chemistry, and at least two in Zoology.
3. Two years of physical training or military science.
4. The grade point requirements specified for the degree of Bachelor of Arts.

The Pre-Medical students may obtain the degree of Bachelor of Arts from Texas Technological College by three years of work in Liberal Arts and two years in a Class A medical college upon satifying the following conditions:

1. A minimum of two years of resident work in Texas Technological College, including the junior year.
2. Satisfactory completion of the prescribed and elective courses listed in the Pre-Medical curriculum for the freshman, sophomore, and junior years.
3. Submission from a Class A medical college of properly approved credentials to the effect that he has completed satisfactorily the first two years of work leading to the degree of Doctor of Medicine.
4. Two years of physical training or military science.
5. One hundred and thirty-five grade points.

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*A student may, after consulting with the professor in charge of pre-medic work, substitute Spanish for the second foreign language. This is done, however, at the student's own risk, since most medical colleges will not accept Spanish for entrance.

REQUIREMENTS FOR GRADUATION.

Specific requirements for graduation from the various schools will be found under this heading in the discussion given by the schools of this College.

In general, the completion of a certain number of required courses, together with certain elective courses with a definite sequence arrangement, constitutes graduation requirement.

The term course means the equivalent of three recitation hours per week throughout the full year of thirty-six weeks. In some instances the expression "credit hours" is used. A credit hour signifies the equivalent of one recitation hour per week for a term of twelve weeks. Nine credit hours equal one course.

Furthermore, students in any of the schools of the College who are found to be notably deficient in the fundamentals of English composition will be required, under the direction of the Department of English, to remove such deficiency before graduation.

COLLEGE OF LIBERAL ARTS

STATEMENT OF AIM.

The College of Liberal Arts aims to afford its students a liberal education in the humanities and sciences. It offers opportunity also to students who wish to prepare for the schools of law, medicine, business administration and other schools. The work of the freshman and sophomore years can be so shaped as to include definite requirements for admission to any of the schools above named. Students expecting to enter a profession should consult with the Dean of the College of Liberal Arts at the end of their freshman year relative to the best way of combining their college and professional work.

REQUIREMENTS FOR GRADUATION.

Entrance Requirements.

1.	English	3 units
2.	A foreign language	2 units
3.	Mathematics. Plane Geometry 1 Algebra 1	2 units
4.	Two from either (a) History, Civics, Economics, Sociology, or (b) Botany, Zoology, Chemistry, Physics, Geology, General Biology, General Science, Physiography, etc.	2 units
5.	From the group not chosen (4)	1 unit
6.	From any accredited high school subjects, not more than four of which may be vocational subjects	5 units
	Total	15 units

A list of the subjects and units accepted for admission will be found on pages 33 and 34.

REQUIREMENTS IN THE COLLEGE.

1.	English (One-third of the second year course may be taken in public speaking.)	2 courses	2 courses
2.	Foreign Language	2 courses	
	If three or four units have been offered in high school and the same language is continued in college		1 course
*3.	Social Science: history, government, economics, sociology	2 courses	
	If three units have been offered in high school		1 course

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*If two courses are required they may not both be taken in the same field.

4. Mathematics	1 course	
If three units have been offered in high school		⅔ course
*5. Science (must be laboratory science)	2 courses	
If two units (3 if general or introductory science is included) have been offered in high school		1 course
6. Psychology or Philosophy	⅓ course	⅓ course
Total	9⅓ courses	6 courses
7. Physical Education	2 years	2 years

In the College of Liberal Arts only one degree is conferred, the Bachelor of Arts degree (B. A.). In order to receive this degree the candidate must have met the entrance requirements, have been regularly enrolled in this College, and must have completed the following courses:

1. English, two courses; the last third of the second course may be taken in public speaking.
2. Mathematics, one full course. If three units of mathematics were offered in high school, two-thirds of a course in college will satisfy the requirements.
3. Social science, two courses. If three units were offered in high school, one college course will meet the requirement. Provided, if two courses are required they may not both be taken in the same subject.
4. Foreign language, two courses. If three or four units have been offered in high school and the same language is continued in college, one course will meet the requirement.
5. Sciences, two courses. If two units of science were offered in high school (three if general or introductory science is included), one college course will meet the requirements. Provided, if two courses are required they may not both be taken in the same subject.
6. Philosophy or psychology, one-third course.
7. Additional courses to make the sum total of twenty courses exclusive of physical or military training, two years of which must be taken without college credit.
8. As a part of the requirements in (7) there must be a major sequence consisting of at least three advanced courses in one subject and in addition one minor of two advanced courses or two minors of one advanced course each. In each case the major and minor subjects ought to be selected in conference with the departments concerned.
9. A minimum residence of one year at the Texas Technological College, and if only one year is given to this College, it should be the senior year.
10. Two years work in physical education.

The specific scholastic requirements are summed up as follows:

COURSES FOR FRESHMAN YEAR.

For all liberal arts students except pre-medical, pre-law, and pre-business administration students.

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*If two courses are required they may not both be taken in the same field.

1. English.
2. Any three of the following:
    - Foreign language.
    - Mathematics.
    - Science.
    - History.
    - Government.
3. A fifth subject in (2) or elective.

COURSES FOR SOPHOMORE YEAR.

1. Any of the curriculum constants not already completed.
2. Courses in the degree group which the student may elect; the following degree groups are suggested:
    - English.
    - Foreign language.
    - Mathematics.
    - Science.
    - Social science.

COURSES FOR JUNIOR AND SENIOR YEARS.

Continue the degree group selected, which must include a major of three advanced courses in one subject, together with a minor of two advanced courses in one subject or one advanced course in each of two subjects.

The total number of term-hours for graduation is one hundred and eighty, exclusive of six term-hours of physical education or physical or military training.

TRANFERS FROM OTHER COLLEGES.

The minimum residence requirements for students who are transfers from other colleges is one school year or three terms of twelve weeks each. Furthermore, any transfer who expects to be graduated from the Texas Technological College must meet the regular requirements for major and minor subjects, and must complete a minimum of forty-five term-hours in this institution.

COURSES OF INSTRUCTION

(For full description of courses mentioned in this bulletin, see Second Annual Catalog, which may be had by addressing the Registrar of this institution.)

BIOLOGY.

The courses in this department are planned to fulfill a number of distinct needs, which are summarized in the following paragraphs:

1. Liberal Arts students desiring to fulfill a part of the science requirements for the degree, may register for Botany 131, 132, 133, or Zoology 131, 132, 133, or Zoology 134, 135, 136.

2. Pre-medical students register for the courses indicated under the courses preparatory to medicine in another section of this catalogue.

3. Students of agriculture are required to complete the biology

courses as indicated under the course of study for the School of Agriculture.

4. Home Economic students find Zoology 134, 135, 136, and Bacteriology 231, 232, 233 of fundamental value.

5. Civil Engineering students register for Bacteriology 431, 432, 433 during the senior year.

6. Prospective teachers of natural science in the high school should take as a minimum either of the following: (a) Botany 131, 132, 133; Botany 231, 232; Botany 233; Botany 331, 332, 333; one other advanced course in botany; and one course in zoology; or (b) Zoology 131, 132, 133; Zoology 231, 232, 233 or 237, 238, 239; Zoology 331, 332, 333; one other advanced course in zoology; Botany 131, 132, 133; and Botany 233.

7. Prospective teachers in the grades derive much benefit from Zoology 134, 135, 136.

8. Students who major in biology should use Botany 131, 132, 133 and Zoology 131, 132, 133 as the foundation courses in this department. The courses which are to follow these will depend upon the major interest of the student. Minors may be taken in Chemistry, Geology, or Physics.

I. BOTANY.

Botany 131, 132, 133. General Botany.

Open to all freshman students.

Botany 231, 232. Plant Morphology.

Prerequisite: Botany 131, 132, 133.

Botany 233. Taxonomy of the Spermatophytes.

Prerequisite: Botany 131, 132, 133.

Botany 330. Plant Pathology. Advanced.

Prerequisite: 18 term-hours in Biology (including Botany 131, 132, 133, and Bacteriology 231) and nine term-hours in Chemistry.

Botany 331, 332, 333. Plant Physiology. Advanced.

Prerequisite: 18 term-hours in Botany; prerequisite or parallel: 9 term-hours in Chemistry.

Botany 431, 432, 433. Histology and Cytology of Plants. Advanced.

Prerequisite or parallel: Botany 331, 332, 333.

Botany 434, 435, 436. Taxonomy of the Vascular Plants. Advanced.

Prerequisite: Botany 233; prerequisite or parallel: Botany 331, 332, 333.

II. BACTERIOLOGY.

Bacteriology 231. Principles of Bacteriology.

Prerequisite: 9 term-hours in Biology and 9 term-hours in Chemistry.

Bacteriology 232, 233. General Bacteriology.
Prerequisite: Bacteriology 231.

Bacteriology 330. Soil Bacteriology. Advanced.
Prerequisite: Bacteriology 231 and 15 additional term-hours in Biology.

Bacteriology 431, 432, 433. Engineering Sanitation.
Prerequisite: Senior standing in Civil Engineering.

III. Zoology.

Zoology 131, 132, 133. General Zoology.
Open to all freshman students.

Zoology 134, 135, 136. Human Physiology.
Open to all freshman students.

Zoology 231, 232, 233. Invertebrate Zoology.
Prerequisite: 9 term-hours in Zoology.

Zoology 234. Principles of Zoology.
Prerequisite: Botany 131, 132, 133; this course is intended primarily for agriculture students and is not open to students who have completed Zoology 131.

Zoology 235. Applied Zoology.
Prerequisite: Zoology 234; this course is intended primarily for agriculture students and is not open to students who have completed Zoology 131, 132, 133.

Zoology 236. Economic Entomology.
Prerequisite: Zoology 235 or Zoology 131, 132, 133.

Zoology 237, 238, 239. Vertebrate Anatomy.
Prerequisite: 9 term-hours in Zoology.

Zoology 330. Animal Parasites. Advanced.
Prerequisite: 18 term-hours in Biology, including 9 term-hours in zoology.

Zoology 331, 332, 333. Animal Cytology and Embryology. Advanced.
Prerequisite: 18 term-hours in Zoology.

Zoology 431, 432, 433. Zoological Problems. Advanced.
Prerequisite: Zoology 331, 332, 333, and any other courses deemed necessary for the problems to be worked out.

IV. BIOLOGY.

Biology 211, 212, 213. The Teaching of Biology.

Prerequisite: 18 term-hours in the Biology Department.

Biology 411, 412, 413. Biology Seminar. Advanced.

Prerequisite: Senior standing in Biology; students with junior standing in Biology may be admitted only with the consent of the head of the department.

CHEMISTRY.

The following courses in Chemistry are regarded as elementary for degree requirements for the Bachelor of Arts degree: Courses 141-2-3; 237-8-9; 331-2; 336-7-8, Section A; 339.

Chemistry 234-5-6 may be counted as an advanced course if Chemistry 237-8-9 has been completed.

Chemistry 343-4-5 may be counted as an advanced course if Chemistry 237-8-9 has been completed.

The following courses are regarded as advanced courses without conditions of any sort: Chemistry 336-7-8, Section B; 431-2-3; 441-2-3; 321-2; 333-4-5; 437-8; 211-2-3; and 434-5-6.

Chemistry 141-142-143. Elementary General Chemistry.

Three lectures, three hours laboratory per week.

Chemistry 153.

An additional three hours laboratory in spring term to meet premedical requirements.

Chemistry 234-235-236. Advanced Inorganic Chemistry.

Three lectures per week.

Prerequisite: Chemistry 141-142-143.

Chemistry 211-212-213. The Teaching of Chemistry.

Prerequisite: Chemistry 234-235-236, and one full course in Education.

This course may be taken parallel with Chemistry 234-235-236.

Chemistry 237-238-239. Analytical Chemistry.

Nine hours laboratory per week.

Prerequisite: Chemistry 141-142-143, and Chemistry 234-235-236 (the latter may be taken during the same year as the above course).

Chemistry 333-334-335. Organic Preparations.

Nine hours laboratory per week. May be taken as separate third courses.

Prerequisite: Chemistry 343-344-345. (May be taken at the same time as Chemistry 345.)

Chemistry 331-332. Organic Chemistry.

Two lectures, three hours laboratory per week, Winter and Spring terms.

Prerequisite: Chemistry 141-142-143.

Chemistry 336-337-338. Industrial Chemistry.

Three lectures.

Prerequisite: Chemistry 141-2-3 or its equivalent.

Chemistry 339. Power Plant Chemistry.

Nine hours laboratory, Winter term, and repeated in Spring term.

Prerequisite: Chemistry 141-142-143.

Chemistry 343-344-345. Organic Chemistry.

Three lectures, three hours laboratory per week.

Prerequisite: Chemistry 141-142-143.

Chemistry 431-432-433. Technical Analysis.

Nine hours laboratory.

Prerequisites: Chemistry 237-8-9 and one of the courses in Organic Chemistry. May be taken as separate thirds.

Chemistry 441-442-443. Physical Chemistry.

Three lectures, three hours laboratory.

Prerequisites: Chemistry 234-235-236, Chemistry 237-238-239, and Chemistry 343-344-345, not less than six term-hours of Calculus, and not less than fifteen term-hours of Physics.

Chemistry 437-8. Physiological Chemistry.

Two lectures, three hours laboratory. Winter and Spring terms.

Prerequisites: Chemistry 141-2-3, and either of the courses in Organic Chemistry.

(Not given in 1927-1928.)

Mechanical Engineering Chemistry 321-22. Chemical Plant Design.

Six hours drawing and calculations per week. Fall and Winter terms.

(Not given in 1927-1928.)

Chemistry 434-435-436. Principles of Chemical Engineering.

Three lectures and recitations per week.

Prerequisites: Chemistry 441-442-443, and those engineering subjects included in the second and third years of the Mechanical Engineering (Chemical Engineering option) course.

(Not given in 1927-1928.)

ECONOMICS AND BUSINESS ADMINISTRATION.

GENERAL.

The Department of Economics and Business Administration is one of the departments in the College of Liberal Arts but offers the degree of Bachelor of Arts in Business Administration to students who fulfill the special requirements of the Department for this degree. Other students who desire to major in Economics and Business Administration may do so and follow the regular requirements for the A. B. degree.

Requirements for Bachelor of Arts in Business Administration:

Freshman Year.

English, 9 hours.
Government, 9 hours.
A natural science, 9 hours.
American Economics History, 9 hours.
Mathematics of Finance or Foreign Language, 9 hours.
Physical Training.

Sophomore Year.

English, 9 hours.
Economics, 9 hours.
Business Administration, 9 hours.
Psychology or Philosophy, 3 hours.
Mathematics of Finance or Foreign Language, 9 hours.
Physical Training.
Elective, 6 hours.

Junior Year.

One junior course in Business Administration.

One modern language if two have not been taken, or mathematics of finance if not taken in freshman or sophomore year.

Three approved electives.

Senior Year.

Two courses in Business Administration.
Business Law.
Approved electives.

COURSES OF STUDY.

1. *Basic Courses.*

131, 132, 133. Economic History of the United States.

231, 232, 233. Introduction to Economics.
Open to Sophomores.

234, 235, 236. Introduction to Business Administration.
Open to Sophomores.

2. *Marketing Division.*

M331, M332, M333. Market Administration.
Prerequisite: 231, 232, 233.

M431. Advertising Principles and Practice.
Prerequisite: M331, M332, M333.

M432. Business Communication.
Prerequisite: M331, M332, M333.

M433. Salesmanship.
Prerequisite: M331, M332, M333.

M435. Transportation.
Prerequisite: M331, M332, M333.

M436. Retail Selling and Store Management.
Prerequisite: M331, M332, M333.

M426, M427, M428. Business Forecasting and Market Analysis.
Prerequisite: M331, M332, M333.

Secretarial Science. No credit.

3. *Production Division.*

P334, P335, P336. Administration of Production.
Prerequisite: 231, 232, 233.

P434, P435, P436. Personnel Administration and Labor Problems.
Prerequisite: P334, P335, P336.

P423, P424, P425. Trade Unionism.
Prerequisite: P334, P335, P336.

4. *Finance Division.*

F321, F322, F323. Money and Banking.
Prerequisite: 231, 232, 233.

F337, F338, F339. Administration of Finance.
Prerequisite: 231, 232, 233.

F437. Advanced Banking Practice.
Prerequisite: F337, F338, F339.

F438. Investments.
Prerequisite: F337, F338, F339.

F439. Corporation Finance.
Prerequisite: F337, F338, F339.

F435. Risk and Risk Bearing.
Prerequisite: F337, F338, F339.

F433, F434. Insurance.
Prerequisite: F435.

F430. Public Finance.
Prerequisite: F337, F338, F339.

F431. Income Tax.
Prerequisite: F337, F338, F339.

F432. Foreign Trade Finance.
Prerequisite: F337, F338, F339.

*5. *Accounting Division.*

A331, A332, A333. Introduction to Accounting.
Prerequisite: 231, 232, 233.

A431, A432, A433. Corporation Accounting and Budgetary Control.
Prerequisite: A331, A332, A333.

A421, A422, A423. Cost Accounting.
Prerequisite: A331, A332, A333.

A434, A435, A436. Auditing and Advanced Problems.
Prerequisite: A331, A332, A333.

EDUCATION AND PSYCHOLOGY.

Courses in Education are designed for students who wish to teach for a few years or who plan to make teaching their life work. A further aim is to treat Education from the standpoint of technology in the same manner as Agriculture, Engineering, Chemistry, or Business Administration.

Since a thorough, technical knowledge of subject matter is an essential prerequisite to successful teaching, the closest co-operation is sought and maintained with the other departments of the College to the end that students of Education may secure a scientific and technological basis for relating subject matter to all forms of Education.

Courses in Psychology include General Psychology, Educational Psychology, and topics in both Experimental and Empirical Psychology.

Certificates valid in Texas and other States may be secured for college courses taken in the Texas Technological College. Students desiring to teach in New Mexico, Oklahoma, Arizona, and other States, should consult the head of the department concerning certificate requirements in these States.

The following regulations govern the issuance of teachers' certificates in Texas:

Four-Year Elementary or Two-Year High School Certificate.

On completion of five college courses in a first-class college, including 108 hours in English and 108 hours in elementary education, an elementary certificate valid for four years, or a high school certificate valid for two years, may be issued. Any course in education may be used for the two-year high school certificate.

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*A fee of $1.00 per term will be charged for accounting to cover cost of accounting laboratory.

Six-Year Elementary or Four-Year High School Certificate.

On completion of ten college courses in a first-class college, including 216 hours in Education, a four-year high school certificate, or a six-year elementary certificate, may be issued. Any two courses in Education will be accepted for the elementary certificate valid for six years, but an applicant must have credit for one full course that bears wholly on high school education before the high school certificate may be issued.

Six-Year High School Certificate.

On completion of fifteen college courses, including three courses in Education, a six-year high school certificate may be issued, provided one course bears wholly on high school education, and one course must include a minimum of thirty-six recitation hours in practice teaching.

Permanent High School Certificate.

A permanent high school certificate may be issued on a B. A. degree, or its equivalent, and four courses in Education. Two of the courses may be any course in Education, one of the courses must bear wholly on high school education, and one course must include methods, observation of methods, and practice in teaching.

A permanent high school certificate may be issued on a B. A. degree, or its equivalent, two courses in Education, and three years teaching experience. One course in Education must bear wholly on high school education, and the teaching experience must be done after the degree is conferred.

SPECIAL CERTIFICATES.

Certificates authorizing the holders to teach the special subjects of agriculture, domestic science, domestic art, commercial subjects, public school drawing, expression, manual training, physical training, public school music, vocal music, instrumental music, industrial training, or foreign languages, are authorized under certain requirements. Persons interested should consult the head of the department concerning the special requirements for securing these certificates.

OUTLINE OF COURSES.

Education 131. Introduction to Education.

Education 132. Classroom Organization and Control.

Education 133. Methods of Teaching in the Elementary Grades.

Education 230. Rural Education. (Agricultural Education 331.)

Education L230 a, b, c. Teaching of Mathematics.

Prerequisite: Mathematics L131 a, b, c or L134 a, b, c, and one full course in Education.

Education 232. History of Education.
Prerequisite: Sophomore standing.

Education 233. Measurement in Education.

Education 234. Secondary Education.
Prerequisite: Sophomore standing.

Education 235. The High School Curriculum.

Education 236. Methods of Teaching in the High School.

Education S310-11-12. Teachers' Course in Spanish.

Education B311, 312, 313. The Teaching of Biology.
For description see Biology 211, 212, 213.

Education C311, 312, 313. (*Chemistry 211, 212, 213.*)
For description see Chemistry 211, 212, 213.

Education E330. Teachers' Course in English.

Education H330. The Teaching of High School History.

Education 331. Principles of Education.

Education H331. Child Care.

Education 332. High School Problems.

Education 333-334. Observation and Practice.
Prerequisite: Junior or senior standing or consent of instructor.

Education 335. The Junior High School.

NOTE.—Education 337, 338, 339 are designed for teachers in service. Hours will be arranged to suit the convenience of the classes, probably on Saturday.

Education 337. Classroom Tests.

Education 338. How to Study and Work Effectively.

Education 339. The Problem-Project Method.

Education A432-3-4. Advanced Agricultural Education.

Education 431. Educational Tests and Measurements.

Education 432. Texas Educational System.

Education 433. The Technique and Improvement of Elementary Education.

Education 434. Education in the United States.
Prerequisite: Education 232.

Education 435. The Curriculum.
Prerequisite: Senior standing or consent of instructor.

Education 436. Public School Administration.
Prerequisite: Senior standing or consent of instructor.

PSYCHOLOGY.

Psychology 230. Introduction to Psychology.

Psychology 231. Educational Psychology.

Psychology 330. General Psychology.

Psychology 331. Child Psychology.

Psychology 335. The Psychology of Adolescence.

Psychology 336. Social Psychology.
(Not offered in 1927-8.)

Psychology 337. Experimental Psychology.
(Not offered in 1927-8.)

ENGLISH.

For the student who majors in English, five full courses are required, three of which should be advanced; that is, courses numbered 300 and above. The prerequisites to advanced work in English are English 131, 132, 133, and English 231, 232, 233. The student who majors in English may minor in any other branch or branches of the College of Liberal Arts, or, in special cases, in certain branches of other schools of the College. In any case, the minors are to be chosen subject to the approval of the department of English.

English 131, 132, 133 is the basic course in the department of English and is prerequisite to all other courses. Ordinarily this course should be followed by English 231, 232, 233, but students doing work in Journalism, and students in the Schools of Agriculture and Engineering may elect, in the Sophomore year, other courses, subject to the approval of the Deans of their respective Colleges and the department of English.

Courses designated *abc* should be taken *in toto* and consecutively if possible. Courses in groups of two (as English 331, 332) and in groups of three (as English 333, 334, 335), should also be taken *in toto,* though more freedom is possible about the order in which they may be taken.

Courses are "advanced" when they are numbered 300 and above.

English 131, 132, 133. Composition and Rhetoric.

English 134, 135, 136. Journalism.
Prerequisite: English 131 and 132.

English 137, 138. Advanced Composition.

English 139, 140. Introduction to the Types of Literature.
Prerequisite: English 131, 132, 133.

English 231, 232, 233. Survey of English Literature.
Prerequisite: English 131, 132, 133.

English 236. The Literature of the Bible.
Prerequisite: English 131, 132, and 133. Some other work in literary interpretation, as English 231, 232, and 133, is highly desirable as a prerequisite in order to obtain the best results in this course.

English 331, 332. Modern English and American Poetry.
Prerequisite: English 131, 132, 133; English 231, 232, 233.

English 333, 334, 335. American Short Story, Drama, and Novel.
Prerequisite: English 131, 132, 133; English 231, 232, 233.

English 336 abc. Current Literary Types and Writing.
Prerequisite: English 131, 132, 133; English 231, 232, 233. English 139, 140 are also desirable as prerequisites.

English 337 abc. Survey of the Drama.
Prerequisite: English 131, 132, 133; English 231, 232, 233.

English 338, 339. Major American Poets of the Nineteenth Century.
Prerequisite: English 131, 132, 133; English 231, 232, 233.

English 330a. Chaucer.
Prerequisite: English 131, 132, 133; English 231, 232, 233.

English 330b. English Verse-forms from Beowulf to the Present.
Prerequisite: English 131, 132, 133; English 231, 232, 233.

English 330c. Elizabethan Lyric Poetry.
Prerequisite: English 131, 132, 133; English 231, 232, 233.

English 431. The American Essay.
Prerequisites: English 131, 132, 133; English 231, 232, 233, and, preferably, English 338, 339.

English 432, 433. Shakespeare.
Prerequisite: English 131, 132, 133; English 231, 232, 233. For the best work in the course, English 337 is highly desirable as a prerequisite.

English 434a. Milton.
Prerequisite: English 131, 132, 133; English 231, 232, 233.

English 434b. Dryden and Pope.
Prerequisite: English 131, 132, 133; English 231, 232, 233.

English 436, 437. English Romanticism.
Prerequisite: English 131, 132, 133; English 231, 232, 233.

English 438. Tennyson and Browning.
Prerequisite: English 131, 132, 133; English 231, 232, 233.

English 439. Modern Drama.
Prerequisite: English 131, 132, 133; English 231, 232, 233.

English 430a. Pre-Shakespearean Drama.
Prerequisite: English 131, 132, 133; English 231, 232, 233.

English 430b. The Drama in England from 1600-1642.
Prerequisite: English 131, 132, 133; English 231, 232, 233.

English 430c. The Drama of the Restoration and the Eighteenth Century.
Prerequisite: English 131, 132, 133; English 231, 232, 233.

English 435a. The Nineteenth Century Novel.
Prerequisite: English 131, 132, 133; English 231, 232, 233.

English 435b. The Modern English Novel.
Prerequisite: English 131, 132, 133; English 231, 232, 233.

English 435c. The Teaching of English in the High School. (See Education —.)
Prerequisite: English 131, 132, 133; English 231, 232, 233, or their equivalent, and two full courses in Education.

FRENCH.

French 131, 132, 133. For Beginners.

French 231, 232, 233.
Prerequisite: French 131, 132, 133, or two years of high school French.

French 331, 332, 333.
Prerequisite: French 231, 232, 233, or four years of high school French.

French 431, 432, 433.
Prerequisite: French 331, 332, 333.

GEOLOGY.

Geology 141, 142, 143. General Geology.

Geology 121, 122, 123. Principles of Geology.

Geology 215, 216, 217. Geology of Texas.
Prerequisite: Geology 141, 142, 143.

Geology 231, 232. Mineralogy.
Prerequisite: Geology 141 or Geology 121. Elementary chemistry a desirable prerequisite.

Geology 233. Introductory Economic Geology.
Prerequisite: Geology 231.

Geology 290. Field Geology.
Prerequisite: Geology 141 or Geology 121.
Summer. Length of course: Six weeks.

Geology 235. Geologic Mapping.
Prerequisite: Geology 141, 142, 143 and Engineering 230.

Geology 337, 338, 339. Invertebrate Paleontology.
Prerequisite: Geology 141 or Geology 121.

Geology 334, 335, 336. Petrology.
Prerequisite: A course in general geology and Geology 231.

Geology 332, 333. Engineering Geology.

Geology 434. Ore Deposits.
Prerequisites: A course in general geology, Mineralogy 231, Petrology 334.

Geology 435, 436. Geology of Petroleum.
Prerequisites: General geology, Ore Deposits 434.

Geology 431, 432, 433. Advanced Physical, Structural and Historical Geology.
Prerequisites: General geology, Mineralogy 231.

Geology 437, 438, 439. Advanced Paleontology.
Prerequisite: Geology 337, 338, 339.

GERMAN.

German 131, 132, 133. For Beginners.

German 231, 232, 233. Composition and Reading.
Prerequisite: German 131, 132, 133, or two years of high school German.

German 331, 332, 333.

Prerequisite: German 231, 232, 233, or four years of high school German.

GOVERNMENT.

The study of Government aims to train and prepare men and women for responsible citizenship, intelligent voting, efficient public service, leadership in public affairs, the holding of public office, and the organization of public opinion.

Government 131, 132, 133. American Government.

Government 231, 232, 233. Local Government and Political Parties.

Prerequisite: American Government.

Government 220. Parliamentary Law and Practice.

Government 321, 322, 323. American Government.

For juniors and seniors who have not had Government 131, 132, 133.

Government 324, 325, 326. American Diplomacy and Foreign Service.

Prerequisite: American Government or American History.

Government 330. Business Law.

Government 331, 332, 333. Comparative Government and International Law.

Prerequisite: American Government or one college course in History.

Government 421, 422, 423. American Political Ideas.

Prerequisite: American Government or American History.

Government 430. The American Constitution.

Prerequisite: American Government or American History.

Government 400. Readings in Government.

HISTORY.

Students selecting History for their major subject should take as a prerequisite the freshman outline course (131, 132, 133). Courses numbered under 300 are introductory, intended for freshmen and sophomores, designed both to serve as independent units and as a basis for advanced courses in history. They are not considered "advanced" as meeting the degree requirements for a major or minor subject.

If history is selected as a major subject, there should be reading knowledge of at least one foreign language. The language work should be taken early in the college course. The student specializing in history without a reading knowledge of French and German, and for Latin-American courses Spanish, is handicapped. For certain courses, Greek and Latin are especially useful.

History 131, 132, 133. History of Civilization.

History 231, 232, 233. History of the United States.

History 234, 235, 236. History of England and the British Empire.

History 237, 238, 239. History of the Two Americas.

History 131, 132, 133 prerequisite.

History 331, 332, 333. History of Europe to the Renaissance.

Prerequisite: Two history courses, including History 131, 132, 133.

History 334, 335, 336. History of Europe from the Reformation to the Present.

Prerequisite: The same as the preceding.

History 337, 338, 339. History of Latin America.

Either History 231, 232, 233 or History 237, 238, 239 is prerequisite.

History 431, 432, 433. History of Texas.

Either History 231, 232, 233 or History 237, 238, 239 is prerequisite.

History 434, 435, 436. History of the United States from the American Revolution to 1850.

Either History 231, 232, 233 or History 237, 238, 239 is prerequisite.

History 437, 438, 439. History of the United States from 1850 to the Present.

Either History 231, 232, 233 or History 237, 238, 239 is prerequisite.

History 411, 412, 413. Foreign Policies of the United States.

Wherever possible courses should be taken in regular sequence, but where it becomes necessary units may be taken out of their order.

LATIN.

Latin 131, 132, 133. Cicero and Virgil.

Prerequisite for 131, 132: Two units of high school Latin.

Prerequisite for 133: Three units of high school Latin or their equivalent.

Latin 231, 232, 233. Cicero, Terence and Horace.

Prerequisite: Latin 131, 132, 133 or four units of high school Latin.

Latin 331, 332, 333. Pliny, Tacitus and Catullus.

Prerequisite: Latin 231, 232, 233, or their equivalent.

Latin 431, 432. Latin Comedy.

Prerequisite: Latin 231, 232, 233, or their equivalent.

Latin 433. Private Life of the Romans.

MATHEMATICS.

The Department of Mathematics offers courses for undergraduates in the different schools of the College. Course numbers preceded by L designate courses intended primarily for students in the School of Liberal Arts; by E, for students in the School of Engineering; by A, for students in the School of Agriculture; and by H, for students in the School of Home Economics. A student matriculated in one school may register for a course offered in a different school, only with the consent of the dean of his school and of the instructor in charge of the course. Any course, for which less than 10 students register, may be withdrawn at the discretion of the department.

College of Liberal Arts.

Numbers of the courses offered in the College of Liberal Arts are followed by *a, b, c,* including the first, second, and third terms of the course. A number followed by *a* only indicates a one-term course; a number followed by *a* and *b* indicates a two-term course; and a number followed by *a, b,* and *c* indicates a three-term course.

A candidate for the degree of Bachelor of Arts must take one full year of Mathematics selected from L131a, b, c, or L132a, b, c, d, or L134a, b, c, or L137a and L138a, b; except that students who enter with two units of algebra and one unit of plane geometry may fulfill the requirements by taking L131a and L131b or L134a and L134b. L131a, b, c is recommended for those students who are planning to major in mathematics. L137a, L138a, b, is especially recommended for those students who are preparing to enter business or to study law.

Courses numbered above 300 are considered advanced courses.

A minor in mathematics consists of one or two advanced year courses. Students who plan to teach mathematics in high school should at least minor in mathematics, since the department cannot recommend as teachers those who have taken less than one advanced course. Students majoring in physics or chemistry are strongly recommended to minor in mathematics.

A major in mathematics consists of three advanced year courses.

Advanced courses, other than those scheduled in the catalogue, may be arranged to suit the needs of particular groups of students.

Mathematics L131a, b. c. College Algebra, Trigonometry, Analytic Geometry.

Prerequisite: Two years of high school algebra and one year of plane geometry.

Mathematics L132a, b, c, d. Algebra, Trigonometry, Solid Geometry and Statistics.

Prerequisite: One year of high school algebra and one year of plane geometry.

Mathematics L134a, b, c. Elementary Mathematical Analysis.

Mathematics L137a. Commercial Algebra.

Mathematics L138a, b. Mathematics of Finance.
Prerequisite: Mathematics L137a.

Mathematics L230a, b, c. Teaching of Secondary Mathematics.
Prerequisite: Mathematics L131a, b, c, or its equivalent.

Mathematics L231a, b, c. Plane and Solid Analytic Geometry.
Prerequisite: L131c.

Mathematics L232a, b. Popular Astronomy.
Prerequisite: Mathematics L131a, b, or its equivalent.

Mathematics L234a, b, c. Mathematical Analysis.
Prerequisite: Mathematics L134 a, b, c.

Mathematics L237a. Theory of Life Insurance.
Prerequisite: Mathematics L137a and L138a, b.

Mathematics L331a, b, c. First Course in Calculus.
Prerequisite: Mathematics L231a, b, c, or this course may be taken simultaneously.

Mathematics L332a, b, c. Theory of Probabilities and Method of Least Squares.
Prerequisite: Mathematics L331a, b, c.

Mathematics L333a, b, c. Intermediate Algebra and Theory of Equations.
Prerequisite: Mathematics L131a, b, c, or its equivalent.

Mathematics L334a, b, c. Introduction to Higher Mathematics.
Prerequisite: Mathematics L331a, b, c.

Mathematics L335a, b, c. Mathematics of Economic Statistics.
Prerequisite: Mathematics L331a, b, c.

Mathematics L431a, b, c. Advanced Course in Calculus.
Prerequisite: L331a, b, c.

Mathematics L432a, b. Vector Analysis.
Prerequisite: L331a, b, c.

Mathematics L433a, b, c. Differential Equations.
Prerequisite: L331a, b, c.

Mathematics L434a, b, c. Topics from Geometry.
Prerequisite: L331a, b, c.

Mathematics L435a, b, c. Fourier Series and Related Topics.
Prerequisite: L331a, b, c.

Mathematics L436a, b, c. Projective Geometry.
Prerequisite: L331a, b, c.

School of Engineering.

All engineering students are required to take two years of college mathematics. In the freshman year students should take E130 and E131 in the fall term, E132 in the winter term, and E133 in the spring term. In the sophomore year, Textile and Architectural Engineers should take E231, E234, and E235; Chemical, Civil, Electrical, Geological and Mechanical Engineers should take E231, E232, E233 in the order listed. Students will be permitted to take sophomore courses in mathematics until the freshman courses have been satisfactorily completed.

Mathematics E100. Solid Geometry.
Required, as an extra study, of freshmen in the School of Engineering who do not present solid geometry for admission.

Mathematics 130. Trigonometry.

Mathematics E131, E132. College Algebra.

Mathematics E133. Introduction to Analytic Geometry.

Mathematics E231. Analytic Geometry.

Mathematics E232, E233. First Course in Calculus.

Mathematics E234, E235. First Course in Calculus.

Mathematics E331, E332. Second Course in Calculus.

Mathematics E333. Differential Equations.

Mathematics E431, E432, E433. Advanced Applied Mathematics.

School of Agriculture.

All students in the School of Agriculture must take A131 in the spring term of the freshman year and A231 in the spring term of the sophomore year.

Mathematics A131. Mathematics for Students of Agriculture.

Mathematics A231. Business Mathematics for Students of Agriculture.

School of Home Economics.

All Home Economics students must take H131 in the winter term or the spring term of the freshman year.

Mathematics H131. Elementary Analysis for Students of Home Economics.

MUSIC.

Music 011. Choral Club.

Music 012. College Orchestra.

Music 013. College Band.

Music 110, 111, 112; 210, 211, 212; 310, 311, 312; 410, 411, 412. Voice.

Music 113, 114, 115; 213, 214, 215; 313, 314, 315; 413, 414, 415. Voice.

Music 116, 117, 118; 216, 217, 218; 316, 317, 318; 416, 417, 418. Violin.

Music (Public School Methods).
130 Primary; 230 Intermediate; 330 High School.
430 Bands and Orchestras.

Music 131-2-3. (For College Band and Orchestra Players Only.)

Music 134. Notation, Terms, Rhythmics, and Elementary Ear Training.
This course or its equivalent is prerequisite for Music 135 or 136.

Music 135. Elementary Harmony.
Prerequisite: Music 134.

Music 136. Harmonic Counterpart.
In two parts. A course in modern counterpoint in all species.
Prerequisite: Music 134. Music 135 not essential, but advisable.

Music 137-8-9. Musical History and Appreciation.
(A non-technical course.)

Music 231-2-3. (For Band and Orchestra Only.)

Music 234. Harmony (Continued).
Dissonance, elementary composition.
Prerequisite: Music 135. Music 136 recommended.

Music 235. Harmonic Counterpoint (Continued).
In three, four, and five parts. All species.
Prerequisite: Music 136. Music 231 advisable.

Music 236. Advanced Harmony and Composition.
Prerequisite: Music 231. Music 232 recommended.

Music 334. Double Counterpoint, Canon, Composition.

Music 335. Sonata and other Forms, Composition.

Music 336. Fugue, Composition.

Note.—Students desiring to minor in Public School Music should signify this intention.

PHILOSOPHY AND SOCIOLOGY.

Inasmuch as philosophy and sociology are associated in one department, any three advanced courses may be offered in this department to meet the requirements for a major, whether they be in philosophy or sociology, one or both. The introductory courses in philosophy (231, 232, 233) and sociology (231, 232, 233) are not considered advanced.

Philosophy 231, 233, 233, or equivalent, is prerequisite to advanced courses in philosophy, as is also elementary work in psychology.

PHILOSOPHY.

Philosophy 231. Introduction to Philosophy.

Philosophy 232. Logic.

Philosophy 233. Ethics.

Philosophy 331, 332, 333. History of Philosophy.

Philosophy 334, 335, 336. Aesthetics.

Philosophy 431, 432, 433. Philosophy of Religion.

SOCIOLOGY.

As a general rule, the introductory course in sociology (231, 232, 233) should be taken as prerequisite to other courses in sociology. Students taking advanced courses in sociology should also have had some work in biology and psychology. There is a Sociological Club for the serious discussion of problems in this field, as well as for actual first-hand work; and to this Club advanced students in sociology are admitted.

Sociology 231, 232, 233. Principles of Sociology.

Sociology 331, 332, 333. Rural Sociology and Urban Problems.

Sociology 334, 335, 336. Social Pathology.

Sociology 337, 338, 339. History of Social Thought.

Sociology 431, 432, 433. Social Problems.

Sociology 434, 435, 436. Modern Social Prophets.

Sociology 437, 438, 439. Race Problems.

Sociology 211, 212, 213. The Social Program of the Church.

PHYSICAL EDUCATION FOR MEN.

MILITARY TRAINING.

Two years of basic military training are offered. The first year covers Infantry, Close Order Drill, Command and Leadership, Military Courtesy, Military Hygiene and First Aid, and Physical Drill. The second year covers Infantry, Close Order Drill, Scouting and Patrolling, Musketry, Interior Guard Duty, Map Reading and Map Making. Uniforms are worn.

The court in Military Training parallels the course prescribed by the government in its schedule of instruction for Infantry Reserve Officers Training Corps.

PHYSICAL TRAINING.

Two courses in Physical Training or Military Training are prerequisite to graduation. Athletic games, calisthenics and corrective exercises are offered. Students are encouraged in any line of activity in which they are interested. Intramural sports continue throughout the year. A special course is offered those students who are not able physically to take part in competitive games. Gymnasium suits and shoes are to be provided by the student.

PHYSICAL EDUCATION FOR WOMEN.

Every woman student is required to take Physical Education the first two years of her college course, unless excused by the College authorities.

Each student is given a medical examination at the beginning of each year. Excuse from Physical Education is granted in case of physical disability. Those who are unable to take regular work are given special work.

The aim of the Physical Education work is to maintain general health and to provide activities that are physically wholesome.

A gymnasium fee of one dollar per year is required.

COURSES.

Physical Education 101. First-Year Physical Education for Women.

Physical Education 201. Advanced Gymnastics, Elementary Nutrition, and Playground Supervision.

Prerequisite: Physical Education 101.

Physical Education 301. Natural Dancing.

Prerequisite: Physical Education 101 and Physical Education 201.

Sports Offered Under Woman's Athletic Association: Basketball, baseball, tennis, hiking, swimming, volley ball, and horseback riding.

PHYSICS.

In the elementary courses in physics (formerly called natural philosophy) we study the fundamental physical laws and principles on which the modern applications of science to human activities are based. The aim is to develop one's power of exact reasoning, precision of judgment, and skill in manipulation. More extended courses along technical lines lead to astronomy, meteorology, weather forecasting, the various branches of engineeering and applied sciences, as well as to numerous important commercial activities such as moving pictures, ice-making, radio, X-ray diagnosis, etc. Advanced studies in the field of modern physics lead us into that marvelous realm of sub-atomic energy and the constitution of the universe.

Physics 141, 142, 143. General Physics.

Three lectures and recitations and one laboratory period per week throughout the year.

Required of all pre-medical students.

Physics 144, 145. Mechanics and Heat.

Three lectures and recitations and one laboratory period per week throughout the winter and spring terms.

Prerequisite: Trigonometry.

Required of all Engineering students.

Physics 241, 242, 243. Electricity and Magnetism, Sound and Light.

Three lectures and recitations and one laboratory period throughout the year. This is a continuation of Physics 144-5, which is a prerequisite.

Physics 244, 245. Agricultural Physics.

Three lectures and recitations and one laboratory period per week throughout the fall and winter terms.

Required of all students taking regular courses in Agriculture.

Physics 321. Laboratory Physics.

Fall term. Two periods per week.

Physics 324, 325, 326. Problems in Physics.

Two recitations per week throughout the year.

Prerequisite: Physics 141-2-3 or Engineering Physics.

Physics 246. Elementary Radio Communication.

Two lectures and two laboratory periods throughout the fall term.

Prerequisite: General College Physics or its equivalent.

Physics 237. Practical Photography.

One lecture and four laboratory hours per week throughout the spring term.

Physics 331, 332. Electrical Measurements.

Fall and winter terms.

Three laboratory periods a week of two hours each.

Prerequisite: Engineering Physics or the equivalent, integral calculus.

Physics 334, 335. Household Physics.
For students of Home Economics.

Physics 341. Elementary Light.
Three lectures and one laboratory period throughout the spring term.
Prerequisite: Physics 141-2-3 or the equivalent.

Physics 343. Radio Communication.
Two lectures and two laboratory periods throughout the fall term.

Physics 344. Heat. Fall term.
Three lectures and recitations and one laboratory period per week.
Prerequisites: Physics 144-5 and Physics 241-2-3, or the equivalent, and integral calculus.

Physics 421, 422, 423. Theoretical Mechanics.
Two lectures and recitations throughout the year.
Prerequisites: A general course in Physics and in Calculus.

Physics 443. Elementary Electron Theory. Spring term.
Prerequisites: Physics 331-2 or 343 or the equivalent.

Physics 444, 445. Light.
Fall and winter terms.
Three recitations and one three-hour laboratory period a week.
Prerequisite: Engineering Physics or the equivalent, integral calculus.

Physics 531, 532. Introduction to Theoretical Physics.
Three lectures or recitations a week.
Prerequisite: Engineering Physics or the equivalent, integral calculus.

PUBLIC SPEAKING AND EXPRESSION.

Public Speaking 131, 132. Fundamentals of Public Speaking.

Public Speaking 133. Argumentation and Debate.

Public Speaking 031, 032, 033. Teaching of Dramatic Art.

Public Speaking 231, 232. Oratory.
Prerequisite: Public Speaking 131, 132.

Public Speaking 233. Technique of Reading.

Public Speaking 331, 332. Oratory. Advanced.
Prerequisite: Public Speaking 131, 132, 231.

Public Speaking 333. Advanced Argumentation and Debate.

Expression 131, 132, 133. Private and Class Work.

Expression 231, 232, 233. Advanced Interpretation.

Expression 331, 332, 333. Imaginative and Dramatic Thinking.
Prerequisite: Expression 131, 132, 133, 231, 232, 233.

SPANISH.

Spanish 131, 132, 133.

Spanish 231, 232, 233.
Prerequisite: Spanish 131, 132, 133, or two units of high school Spanish.

Spanish 331, 332, 333. Contemporary Literature.
Prerequisite: Spanish 131, 132, 133, and 231, 232, and 233, or three or four units of high school Spanish.

Contemporary Literature and Commercial Spanish may not both be counted towards a degree.

Spanish 334, 335, 336. Commercial Spanish.
Prerequisite: Same as for Contemporary Literature.

Given in 1927-28, provided as many as fifteen students register for the course.

Spanish 431, 432, 433. The Modern Novel.
Prerequisite: Spanish 331, 332, 333, or its equivalent.
(Given in alternate years; not given in 1927-28.)

Spanish 531, 532, 533. Modern Drama.
Prerequisite: Spanish 331, 332, 333, or its equivalent.
(Given in alternate years; given in 1927-28.)

SCHOOL OF ENGINEERING

FACULTY.

Paul W. Horn, A. M., LL. D.,
President.

William J. Miller, E. E., S. M. in E. E.,
Dean of Engineering and Professor of Electrical Engineering.

Edmond W. Camp, B. S. in T. E.,
Professor of Textile Engineering.

Carl L. Svensen, B. S., M. E.,
Professor of Engineering Drawing.

James H. Murdough, S. B.,
Associate Professor of Civil Engineering.

George L. Tuve, B. S. in M. E., M. E.,
Associate Professor of Mechanical Engineering.

Edgar G. Shelton, B. S. in Arch.,
Associate Professor of Architecture.

J. Coyne Hardgrave,
Instructor in Engineering Shopwork.

William T. Read, Ph. D.,
Professor of Chemical Engineering.

Leroy T. Patton, Ph. D.,
Professor of Geology.

STUDENT ASSISTANTS.

James B. Biggers	*Civil Engineering*
Leon Sparks	*Civil Engineering*
Jack F. Maddox	*Engineering Drawing*
William E. Street	*Engineering Drawing*

1. *History and Buildings.*—The importance of the School of Engineering in the Texas Technological College is stressed in the first section of the bill by which the Thirty-eighth Legislature established this institution. It is here pointed out that the commercial development of our State depends largely upon the opportunities for students to obtain thorough training in engineering and manufacturing fields.

In accordance with the importance of this School, the second largest building on the campus is the first unit of the Engineering group, with a floor area of approximately 27,000 square feet. This building is designed to eventually house only the Department of Textile Engineering, but for the present practically all instruction in the various engineering courses offered by this school is given in this building.

During the fall of 1926 a temporary building 50x100 feet of hollow tile construction was erected to house the pattern-making shop, machine shop, and an elementary mechanical engineering laboratory.

The second unit of the Engineering group is to be built during the school year of 1927-28 and should be ready for use at the opening of the 1928-29 session. This unit is to cost $240,000 and will have approximately 35,000 square feet of floor area. It will include offices for the engineering faculty, laboratories for the Departments of Architectural, Civil, Electrical, and Mechanical Engineering, Engineering Drawing rooms, and classrooms.

2. *Purpose.*—The aim and purpose of the School of Engineering is to turn out men who are thoroughly grounded in the fundamentals of all engineering work and specialized in one particular line only to the extent that experience appears to demand as a minimum. In other words, the course of study in the School of Engineering is planned with the view of giving the student the essential basic training which he cannot get after graduation and leaving a large part of his specialization to his later professional employment. Experience has shown this type of training to produce the most successful engineers.

One of the prime essentials of an engineer is character. Recognizing this fact, the engineering instruction at all times aims to emphasize the qualities of honesty, loyalty, thoroughness, and industry. Engineering has taken its rightful place as one of the learned professions, and for this reason the course of study is designed to foster a spirit of culture and ethics. From the foregoing it may be summarized that the ideal product of the Engineering School is a logical thinker who is a man of character, culture, and professional attitude with capacity and love for work, and with a substantial knowledge of facts in his chosen field.

3. *Uniform Freshman Year.*—All Engineering students are required to take identical work throughout the Freshman year. This is done in order that the student may have the opportunity of becoming more familiar with the courses of instruction and the possibilities after graduation in the various branches of engineering before he chooses his professional course.

To aid the student in the proper selection of his professional work, lectures on the scope and opportunities of the various branches of the profession will be given by practicing engineers.

4. *Field for Graduates.*—The field of engineering open to the engineering graduate is too broad, and the opportunities which it presents are too numerous to be presented in the space of this bulletin. Engineering has been defined as "The art of directing the great sources of power in nature for the use and convenience of man," which indicates employment in development of natural resources, manufacturing, and commerce.

The engineering student upon graduation usually spends a period of time in apprentice or subordinate positions, securing experience and preparing himself for the more important work of the executive, the designer, the consulting engineer, the teacher, or the operator, etc. For a number of years the demand for engineering graduates by the industries has considerably exceeded the supply.

An engineering training is becoming more and more recognized as a desirable preparation for a general commercial career, as it develops a mathematical and analytical type of mind, and demands systematic and methodical work. For this reason many engineering graduates eventually hold important executive positions.

5. *Admission.*—The requirements for admission to the School of Engineering are essentially the same as those for admission to other schools of the College. For details of these general requirements, see the paragraph on Admission Requirements under the division of the catalogue on general information. The special requirements for admission to the School of Engineering are as follows:

(1) Two credits must be offered in Algebra.

(2) If Solid Geometry is not offered as an entrance credit, it must be completed before the Sophomore year. No college credit is given for Solid Geometry, and high school students contemplating an engineering course are urged to take this subject in high school.

(3) Instead of a foreign language two units may be presented in laboratory sciences or one unit in Science and one-half unit each in Solid Geometry and Trigonometry.

6. *Regulations.*—The regulations governing the students in the School of Engineering are essentially the same as those applying to students in the other schools of the College.

An exception is made in the matter of grading. Due to the nature of engineering courses, the grade of incomplete is given only when a student is prevented from completing his work in a course by causes beyond his control.

The Credit Hour.—A "credit hour" is given in a subject for each three hours of student time that it requires per week for a term. Each recitation demands two hours of preparation, thus making the number of recitations per week equal to the credit hour value of the subject. The credit hour value of a laboratory subject is equal to the number of three-hour periods per week where no outside work is necessary. The middle digit of any subject number indicates its credit hour value.

REQUIREMENTS FOR DEGREES.

(All Engineering Students.)

The degree of Bachelor of Science in Architecural, Civil, Electrical, Geological, *Mechanical, and Textile Engineering will be conferred upon students who satisfactorily complete the requirements of the respective courses as outlined on the following page:

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*Chemical Engineering is offered as a division of Mechanical Engineering and leads to the degree of Bachelor of Science in Mechanical Engineering (Chemical Engineering option).

UNIFORM FRESHMAN YEAR
for
Architectural, Civil, Electrical, Geological, Mechanical, and Textile Engineering Students

Fall Term				Winter Term				Spring Term			
Subject			Credit Hours	Subject			Credit Hours	Subject			Credit Hours
Eng.	131	Composition	3	Eng.	132	Composition	3	Eng.	133	Composition	3
Chem.	141	Elementary	4	Chem.	142	Elementary	4	Chem.	143	Elementary	4
Math.	E130	Trigonometry	3	Math.	E132	Algebra	3	Math.	E133	Analytics	3
Math.	E131	Algebra	3	Phys.	144	Mechanics	4	Phys.	145	Heat	4
E. Draw.	121	Mechanical	2	E. Draw.	122	Mechanical	2	E. Draw.	123	Mechanical	2
P. T.	111	Physical Training	1	P. T.	112	Physical Training	1	P. T.	113	Physical Training	1
			16				17				17

*Students who have not had Solid Geometry will take E. Draw. 100, 131 and 132 instead of E. Draw. 121, 122, 123.

ARCHITECTURAL ENGINEERING

Fall Term				Winter Term				Spring Term			
Subject			Credit Hours	Subject			Credit Hours	Subject			Credit Hours
				Sophomore Year							
Eng.	231	Literature	3	Eng.	232	Literature	3	Eng.	233	Literature	3
Phys.	241	Elec. and Mag.	4	Phys.	242	Elec. and Mag.	4	Phys.	243	Sound and Light	4
Math.	E231	Analytics	3	Math.	E232	Calculus	3	Math.	E233	Calculus	3
E. Draw.	231	Descr. Geometry	3	Arch.	131	Shades and Shadows	3	Arch.	132	Perspective	3
Arch.	211	Arch. History	1	Arch.	212	Arch. History	1	Arch.	213	Arch. History	1
Arch.	221	Arch. Drawing	2	Arch.	222	Arch. Drawing	2	Arch.	223	Arch. Drawing	2
Arch.	121	Freehand Drawing	2	Arch.	122	Freehand Drawing	2	Arch.	123	Freehand Drawing	2
P. T.	211	Physical Training	1	P. T.	212	Physical Training	1	P. T.	213	Physical Training	1
			19				19				19
				Junior Year							
C. E.	331	Applied Mechanics	3	C. E.	332	Applied Mechanics	3	C. E.	333	Applied Mechanics	3
Arch.	231	Elementary Design	3	Arch.	232	Elementary Design	3	Arch.	233	Elementary Design	3
C. E.	230	Surveying	3	C. E.	342	Structures	4	C. E.	343	Structures	4
Arch.	321	Arch. History	2	Arch.	322	Arch. History	2	Arch.	323	Arch. History	2
E. E.	334	Elements	3	E. E.	335	Elements	3	E. E.	336	Elements	3
Elective			3	Elective			3	Elective			3
			17				18				18
				Senior Year							
C. E.	431	Reinf. Conc. Theory	3	C. E.	443	Concrete Structures	4	C. E.	433	Concrete Structures	3
M. E.	435	Heating and Vent.	3	C. E.	434	Structural Design	3	Arch.	326	Sanitation	2
Eco.	231	Principles	3	M. E.	436	Heating and Vent.	3	Eco.	233	Principles	3
A. E.	411	Business Practice	1	Eco.	232	Principles	3	A. E.	423	Arch. Construction	2
A. E.	414	Estimating	1	A. E.	412	Business Practice	1	A. E.	445	Arch. Construction Thesis Problem	4
Arch.	417	Specifications	1	A. E.	415	Estimating	1	A. E.	413	Business Practice	1
A. E.	421	Arch. Construction	2	Arch.	418	Specifications	1	A. E.	416	Estimating	1
A. E.	434	Arch. Construction	3	A. E.	422	Arch. Construction	2	Arch.	419	Specifications	1
			17				18				17

CIVIL ENGINEERING

Fall Term				Winter Term				Spring Term			
Freshman Year (See p. 69)											
Sophomore Year											
Subject			Credit Hours	Subject			Credit Hours	Subject			Credit Hours
Math.	E231	Analytics	3	Math.	E232	Calculus	3	Math.	E233	Calculus	3
Eng.	231	Literature	3	Eng.	232	Literature	3	Eng.	233	Literature	3
C. E.	241	Plane Surveying	4	C. E.	242	Plane Surveying	4	C. E.	243	Plane Surveying	4
Phys.	241	Electricity and Magnetism	4	Phys.	242	Elec and Mag.	4	Phys.	243	Sound and Light	4
E. Draw.	231	Descriptive Gemo.	3	Geol.	332	Engineering Geology	3	Geol.	333	Engineering Geol.	3
P. T.	211	Physical Training	1	P. T.	212	Physical Training	1	P. T.	213	Physical Training	1
			18				18				18
Junior Year											
C. E.	331	Applied Mechanics	3	C. E.	332	Applied Mechanics	3	C. E.	333	Applied Mechanics	3
Math.	E331	Advanced Calculus	3	Math.	E332	Advanced Calculus	3	Math.	E333	Diff. Equations	3
E. E.	334	Elements	3	E. E.	335	Elements	3	E. E.	336	Elements	3
Econ.	231	Principles	3	Econ.	232	Principles	3	Econ.	233	Principles	3
C. E.	334	Surveying	3	C. E.	342	Structures	4	C. E.	343	Structures	4
Pb. Spk.	131	or Approved Elective	3	C. E.	312	Materials Laboratory	1	C. E.	313	Cement Laboratory	1
				E. E.	311	Laboratory	1	E. E.	312	Laboratory	1
			18				18				18
Senior Year											
Bact.	431	Engr. Sanitation	3	Bact.	432	Engr. Sanitation	3	Bact.	433	Engr. Sanitation	3
M. E.	337	Heat Engineering	3	M. E.	338	Heat Engineering	3	M. E.	339	Heat Engineering	3
C. E.	435	Highway Eng.	3	C. E.	436	Highway Engr.	3	C. E.	437	Highway Engr.	3
C. E.	431	Reinforced Concrete Theory	3	C. E.	443	Concrete Structures	4	C. E.	433	Concrete Structures	3
C. E.	442	Bridge Design	4	C. E.	434	Structural Design	3	C. E.	430	Materials	3
C. E.	439	Hydraulics	3	C. E.	412	Hydraulics Lab.	1	C. E.	413	Highway Lab.	1
								Gov.	320	Business Law	2
			19				17				18

ELECTRICAL ENGINEERING

Fall Term				Winter Term				Spring Term			
				Freshman Year (See Page 69)							
				Sophomore Year							
Subject			Credit Hours	Subject			Credit Hours	Subject			Credit Hours
Eng.	231	Literature	3	Eng.	232	Literature	3	Eng.	233	Literature	3
Phys.	241	Elec. and Mag.	4	Phys.	242	Elec. and Mag.	4	Phys.	243	Sound and Light	4
Math.	E231	Analytics	3	Math.	E232	Calculus	3	Math.	E233	Calculus	3
C. E.	230	Surveying	3	P. S.	131	Public Speaking	3	Chem.	339	Power Plant	3
E. Draw.	231	Descriptive Geom.	3	E. Draw.	232	Machine Drawing	3	M. E.	221	M. E. Problems	2
M. E.	211	Wood Shop	1	M. E.	212	Wood Shop	1	E. E.	231	Principles	3
P. T.	211	Physical Training	1	P. T.	212	Physical Training	1	P. T.	213	Physical Training	1
			18				18				19
				Junior Year							
E. E.	331	Principles	3	E. E.	332	Principles	3	E. E.	333	Principles	3
E. E.	321	Laboratory	2	E. E.	322	Laboratory	2	E. E.	323	Laboratory	2
C. E.	331	Applied Mechanics	3	C. E.	332	Applied Mechanics	3	C. E.	333	Applied Mechanics	3
M. E.	334	Heat Engineering	3	M. E.	335	Heat Engineering	3	M. E.	336	Heat Engineering	3
Math.	E331	Adv. Calculus	3	Math.	E332	Adv. Calculus	3	Math.	E333	Diff. Equations	3
C. E.	439	Hydraulics	3	M. E.	328	Laboratory	2	M. E.	329	Laboratory	2
M. E.	311	Machine Shop	1	M. E.	312	Machine Shop	1	M. E.	313	Machine Shop	1
			18				17				17
				Senior Year							
E. E.	431	A. C. Machines	3	E. E.	432	A. C. Machines	3	E. E.	433	A. C. Machines	3
E. E.	421	A. C. Laboratory	2	E. E.	422	A. C. Laboratory	2	E. E.	423	A. C. Laboratory	2
E. E.	434	Applications	3	E. E.	435	Applications	3	E. E.	436	Transmission	3
Eco.	231	Principles	3	Eco.	232	Principles	3	Eco.	233	Principles	3
Phys.	331	Elec. Measurements	3	Phys.	332	Elec. Measurements	3	Gov.	320	Commercial Law	2
M. E.	427	Dynamics	2	C. E.	312	Testing Laboratory	1	E. E.	410	Seminar	1
Elective			3	Elective			3	Elective			3
			19				18				17

GEOLOGICAL ENGINEERING

Fall Term				Winter Term				Spring Term			
						Freshman Year (See Page 69)					
						Sophomore Year					
Subject			Credit Hours	Subject			Credit Hours	Subject			Credit Hours
Geol.	141	Fundamentals of Geol.	4	Geol.	142	Fundamentals of Geol.	4	Geol.	143	Fundamentals of Geol.	4
Geol.	231	Determ. Mineralogy	3	Geol.	232	Determ. Mineralogy	3	Geol.	233	Elem. Econ. Geology	3
Math.	E231	Analytics	3	Math.	E232	Calculus	3	Math.	E233	Calculus	3
C. E.	241	Plane Surveying	4	Eng.	232	Literature	3	C. E.	243	Plane Surveying	4
Eng.	231	Literature	3	C. E.	242	Surveying	4	Eng.	233	Literature	3
P. T.	211	Physical Training	1	P. T.	212	Physical Training	1	P. T.	213	Physical Training	1
			18				18				18
										Summer	
								Geol.	230	Field Course	2
						Junior Year					
Geol.	334	Optical Mineralogy	3	Geol.	335	Optical Mineralogy	3	Geol.	336	Optical Mineralogy	3
Geol.	337	Invert. Paleontology	3	Geol.	338	Invert. Paleontology	3	Geol.	339	Invert. Paleontology	3
Math.	E331	Calculus	3	Math.	E332	Calculus	3	E. Draw.	231	Descriptive Geom.	3
C. E.	331	Applied Mechanics	3	C. E.	332	Applied Mechanics	3	C. E.	333	Applied Mechanics	3
C. E.	334	Surveying	3	C. E.	312	Materials Lab.	1	C. E.	313	Cement Lab.	1
				Elective			3	Elective			3
			15				16				16
						Senior Year					
Geol.	431	Advanced Geology	3	Geol.	432	Advanced Geology	3	Geol.	433	Advanced Geol.	3
Geol.	434	Ore Deposits	3	Geol.	435	Petroleum Geol.	3	Geol.	436	Petroleum Geol.	3
Eco.	231	Principles	3	Eco.	232	Principles	3	Eco.	233	Principles	3
Pub. Spk.	131	Elements	3	Gov.	320	Commercial Law	2	M. E.	336	Thermodynamics	3
Elective			3	Elective			6	Elective			3
			15				17				15

MECHANICAL ENGINEERING

Fall Term				Winter Term				Spring Term			
				Freshman Year (See Page 69)							
				Sophomore Year							
Subject			Credit Hours	Subject			Credit Hours	Subject			Credit Hours
Eng.	231	Literature	3	Eng.	232	Literature	3	Eng.	233	Literature	3
Phys.	241	Elec. and Mag.	4	Phys.	242	Elec. and Mag.	4	Phys.	243	Sound and Light	4
Math.	E231	Analytics	3	Math.	E232	Calculus	3	Math.	E233	Calculus	3
C. E.	230	Surveying	3	M. E.	221	M. E. Problems	2	M. E.	222	Mechanism	2
E. Draw.	231	Descrip. Geom.	3	E. Draw.	232	Machine Drawing	3	Pb. Spk.	131	Elements	3
M. E.	225	Pattern Shop	2	M. E.	226	Fdy. and Forge	2	M. E.	227	Machine Shop	2
P. T.	211	Physical Training	1	P. T.	212	Physical Training	1	P. T.	213	Physical Training	1
			19				18				18
				Junior Year							
M. E.	331	M. E. Equipment	3	M. E.	332	Thermodynamics	3	M. E.	333	Thermodynamics	3
M. E.	321	Mech. Measurements	2	E. E.	335	Elements	3	M. E.	322	Thermo. Laboratory	2
E. E.	334	Elements	3	E. E.	331	Laboratory	1	E. E.	336	Elements	3
C. E.	331	Applied Mechanics	3	C. E.	332	Applied Mechanics	3	E. E.	312	Laboratory	1
Econ.	331	or For. Language	3	Econ.	332	or For. Language	3	C. E.	333	Applied Mechanics	3
Math.	E331	Adv. Calculus	3	Math.	E332	Adv. Calculus	3	Econ.	333	or For. Language	3
M. E.	315	Machine Shop	1	M. E.	316	Shop Projects	1	M. E.	326	Machine Design	2
								M. E.	317	Shop Projects	1
			18				17				18
				Senior Year							
M. E.	431	Power Plants	3	M. E.	432	Power Plants	3	M. E.	435	Heating and Vent.	3
M. E.	421	Power Plant Lab.	2	M. E.	422	Power Plant Lab.	2	M. E.	439	Metallurgy	3
M. E.	433	Refrigeration	3	M. E.	434	Industrial Engr.	3	M. E.	428	Industrial Engr.	2
C. E.	439	Hydraulics	3	C. E.	412	Hydraulics Lab.	1	Gov.	320	Commercial Law	2
M. E.	427	Dynamics	2	M. E.	437	Int. Comb. Engines	3	M. E.	438	Int. Comb. Engines	3
M. E.	327	Machine Design	2	M. E.	424	Engineering Design	2	M. E.	423	Gas Engines Lab.	2
Gov.	335	Government	3	Chem.	339	Power Plant	3	M. E.	425	Engineering Design	2
				M. E.	411	Seminar	1	M. E.	412	Seminar	1
			18				18				18

MECHANICAL ENGINEERING

(Chemical Engineering Option)

Fall Term			Credit Hours	Winter Term			Credit Hours	Spring Term			Credit Hours
				Sophomore Year							
Subject				Subject				Subject			
Eng.	231	Literature	3	Eng.	232	Literature	3	Eng.	233	Literature	3
Phys.	241	Elec. and Mag.	4	Phys.	242	Elec. and Mag.	4	Chem.	339	Power Plant Chem.	3
Math.	E231	Analytics	3	Math.	E232	Calculus	3	Math.	E233	Calculus	3
Chem.	234	Advanced Inorganic	3	Chem.	238	Analytical Chemistry	3	Chem.	239	Analytical Chemistry	3
Chem.	237	Analytical Chemistry	3	Chem.	235	Advanced Inorganic	3	Pub. Spk.	131	Elements	3
Physical Training			1	Physical Training			1	Chem.	236	Advanced Inorganic	3
								Physical Training			1
			17				17				19
				Junior Year							
Chem.	343	Organic Chemistry	4	Chem.	344	Organic Chemistry	4	Chem.	345	Organic Chemistry	4
Chem.	441	Physical Chemistry	4	Chem.	442	Physical Chemistry	4	Chem.	443	Physical Chemistry	4
C. E.	331	Applied Mechanics	3	C. E.	332	Applied Mechanics	3	C. E.	333	Applied Mechanics	3
Eco.	331	or For. Language	3	Eco.	332	or For. Language	3	Eco.	333	or For. Language	3
Math.	E331	Advanced Calculus	3	Math.	E332	Advanced Calculus	3	Gov.	320	Commercial Law	2
M. E.	C321	Chem. Plant Design	2	M. E.	C322	Chem. Plant Design	2	Elective			3
			19				19				19
				Senior Year							
E. E.	334	Elements	3	E. E.	335	Elements	3	E. E.	336	Elements	3
M. E.	331	M. E. Equipment	3	E. E.	311	Laboratory	1	E. E.	312	Laboratory	1
Chem.	336	Industrial Chemistry	3	M. E.	332	Thermodynamics	3	M. E.	333	Thermodynamics	3
Chem.	434	Prin. of Chem. Engr.	3	Chem.	337	Industrial Chemistry	3	Chem.	338	Industrial Chemistry	3
Electives			6	Chem.	435	Prin. of Chem. Engr.	3	Chem.	436	Prin. of Chem. Engr.	3
				M. E.	439	Metallurgy	3	M. E.	329	Heat Engr. Lab.	2
				M. E.	328	Heat Engr. Lab.	2	Elective			3
			18				18				18

TEXTILE ENGINEERING

Fall Term				Winter Term				Spring Term			
				Freshman Year (See Page 69)							
				Sophomore Year							
Subject			Credit Hours	Subject			Credit Hours	Subject			Credit Hours
C. E.	230	Surveying	3	Eng.	232	Literature	3	Eng.	233	Literature	3
Eng.	231	Literature	3	Math.	E232	Calculus	3	Pb. Spk.	131	Elements	3
Math.	E231	Analytics	3	M. E.	221	Problems	2	Math.	E233	Calculus	3
Phys.	241	Elec. and Mag.	4	Phys.	242	Elec. and Mag.	4	Phys.	243	Sound and Light	4
E. Draw.	231	Descr. Geom.	3	E. Draw.	232	Machine Drawing	3	T. E.	227	Yarn Manufacture	2
T. E.	224	Fabric Design and Mfg.	2	T. E.	225	Fabric Design and Mfg.	2	T. E.	226	Fabric Design and Mfg.	2
P. T.	211	Physical Training	1	P. T.	212	Physical Training	1	P. T.	213	Physical Training	1
			19				18				18
				Junior Year							
C. E.	331	Applied Mechanics	3	C. E.	332	Applied Mechanics	3	C. E.	333	Applied Mechanics	3
Chem.	343	Organic Chemistry	4	Chem.	344	Organic Chemistry	4	Chem.	345	Organic Chemistry	4
E. E.	334	Elements of Elec. Engr.	3	E. E.	324	Elec. Engr. Lab.	2	E. E.	325	Elec. Engr. Lab.	2
				E. E.	335	Elem. of Elec. Engr.	3	E. E.	336	Elem. of Elec. Engr.	3
T. E.	321	Yarn Manufacture	2	T. E.	322	Yarn Manufacture	2	T. E.	323	Yarn Manufacture	2
T. E.	341	Fabric Design and Mfg.	4	T. E.	342	Fabric Design and Mfg.	4	T. E.	343	Fabric Design and Mfg.	4
			16				18				18
				Senior Year							
M. E.	427	Dynamics	2	Eco.	232	Economics	3	Eco.	233	Economics	3
Eco.	231	Economics	3	M. E.	318	Mech. Engr. Lab.	1	Gov.	320	Commercial Law	2
M. E.	410	Machine Shop	1	M. E.	335	Heat Engineering	3	M. E.	319	Mech. Engr. Lab.	1
M. E.	334	Heat Engineering	3	M. E.	434	Industrial Engr.	3	M. E.	336	Heat Engineering	3
T. E.	421	Dyeing and Finish.	2	T. E.	422	Dyeing and Finish.	2	T. E.	423	Dyeing and Finish.	2
T. E.	431	Yarn Manufacture	3	T. E.	432	Yarn Manufacture	3	T. E.	433	Yarn Manufacture	3
T. E.	441	Fabric Design and Mfg.	4	T. E.	442	Fabric Design and Mfg.	4	T. E.	443	Fabric Design and Mfg.	4
			18				19				18

PRELIMINARY ANNOUNCEMENT OF COURSES FOR SCHOOL OF ENGINEERING, 1927-1928

DEPARTMENT OF ARCHITECTURAL ENGINEERING.

The course of study in Architectural Engineering lays emphasis upon advanced construction and the mechanical equipment of buildings, and is intended to prepare the student to become a structural designer and engineer.

COURSES OF INSTRUCTION.

121, 122, 123. Freehand Drawing. Laboratory 6 hours.
Prerequisite: None.

131. Shades and Shadows. Laboratory 9 hours.
Prerequisite: Drawing 231.

132. Perspective. Laboratory 9 hours.
Prerequisite: Drawing 231.

211, 212, 213. Architectural History. Class 1 hour.
Prerequisite: Sophomore standing.

221, 222, 223. Architectural Drawing. Laboratory 6 hours.
Prerequisite: Freshman Drawing.

231, 232, 233. Elementary Design. Laboratory 9 hours.
Prerequisite: Architecture 131, 132, 133.

321, 322, 323. Architectural History. Class 2 hours.
Prerequisite: Architecture 211, 212, 213.

326. Building Sanitation. Class 2 hours.
Prerequisite: Junior standing.

417, 418, 419. Specifications. Class 1 hour.
Prerequisite: Senior standing in Architectural Engineering.

411, 412, 413. Business Practice. Class 1 hour.
Prerequisite: Senior standing in Architectural Engineering.

414, 415, 416. Estimating. Class 1 hour.
Prerequisite: Senior standing in Architecture or Architectural Engineering.

421, 422, 423. Architectural Construction. Class 2 hours.
Prerequisite: Senior standing in Architectural Engineering.

434, 445. Architectural Construction. Laboratory 9 hours, fall term. 12 hours, spring term.

Prerequisite: To be taken with Architectural Engineering 421, 422, 423.

DEPARTMENT OF CIVIL ENGINEERING.

Civil engineering was originally so called to differentiate it from military engineering, there being but two main divisions of engineering—the productive and the destructive. But with the development of some of the great sources of power, of which two, steam and electricity, may be named, specialized knowledge has been developed and is required. Thus the mechanical enginer and electrical engineer has come into his own. Architecture requires special knowledge and particular talent and is a separate profession. Other branches of engineering might be named as separate professions.

Civil engineering may be said to include a number of branches each resting on a relatively compact body of principles. They may be classified as:

(1) *Surveying and Geodesy*—which deals with the measurement and delineation of portions of the earth's surface and objects on it.

(2) *Railroad Engineering*—which deals with the location, construction, and some phases of the maintenance and operation of railroads.

(3) *Highway Engineering*—which deals with the location, construction, and maintenance of highways and pavements.

(4) *Hydraulic Engineering*—which deals with the use and control of water as a source of power, and as a necessity of life and convenience to mankind. In some of its phases, the practice of hydraulic engineering demands a knowledge of electrical and mechanical engineering.

(5) *Sanitary Engineering*—which deals with problems pertaining to the protection and preservation of the public health.

(6) *Structural Engineering*—which deals with the design and construction of fixed structures and their foundations. A profession closely allied to this branch is Architectural Engineering.

The course in Civil Engineering offered by the Texas Technological College aims to give thorough instruction in the fundamentals of each of these branches. The intent is to co-ordinate the theoretical instruction of the classrooms with the practical instruction offered in its drafting rooms and laboratories, so that its graduates will be able to apply the principles which they have studied to the problems which they will have to meet with intelligence, common sense, courage, and initiative.

The Department of Civil Engineering offers the following courses:

CIVIL ENGINEERING.

Courses of Instruction.

230. Elementary Surveying. Class 1 hour. Laboratory 6 hours.
Prerequisite: Mathematics E130.

241, 242, 243. Plane Surveying. Class 2 hours. Laboratory 6 hours.
Prerequisite: Mathematics E130

312. Materials Laboratory. Laboratory 3 hours.
Prerequisite: Registration in Civil Engineering 332.

313. Cement Laboratory. Laboratory 3 hours.
Prerequisite: Junior Engineering standing.

331, 332, 333. Applied Mechanics. Class 3 hours.
Prerequisite: Mathematics E233.

334. Surveying. Class 1 hour. Laboratory 6 hours.
Prerequisite: Civil Engineering 241, 242, 243.

342, 343. Structures. Class 3 hours. Laboratory 3 hours.
Prerequisite: Civil Engineering 331.

410. Seminar. Laboratory 3 hours.
Prerequisite: Senior Civil Engineering standing.

412. Hydraulic Laboratory. Laboratory 3 hours.
Prerequisite: Civil Engineering 439.

413. Highway Laboratory. Laboratory 3 hours.
Prerequisite: Civil Engineering 435, 436.

430. Materials. Class 3 hours.
Prerequisite: Senior Engineering standing.

431. Reinforced Concrete Theory. Class 3 hours.
Prerequisite: Civil Engineering 331, 332, 333.

433. Concrete Structures. Class 1 hour. Laboratory 6 hours.
A continuation of Civil Engineering 443.

434. Structural Design. Class 1 hour. Laboratory 6 hours.
Prerequisite: Civil Engineering 442.

435, 436, 437. Highway Engineering. Class 3 hours.
Prerequisite: Senior Engineering standing.

439. Hydraulics. Class 3 hours.
Prerequisite: Civil Engineering 331.

442. Bridge Design. Class 2 hours. Laboratory 6 hours.
Prerequisite: Civil Engineering 342, 343.

443. Concrete Structures. Class 2 hours. Laboratory 6 hours.
Prerequisite: Civil Engineering 431.

DEPARTMENT OF ENGINEERING DRAWING.

The Department of Engineering Drawing provides fundamental courses in the graphic language as used in the study and practice of the profession of engineering and for the development of the powers of visualization. In addition, certain other courses of educational and practical value are offered.

100. Elementary Drawing. Class 3 hours.
Required of all students who have not had solid geometry.
Fall term. No college credit.

121, 122, 123. Engineering Drawing. Lecture 1 hour. Drawing room 4 hours.
Prerequisite: Solid geometry.

131, 132. Engineering Drawing. Lecture 1 hour. Drawing room 6 hours.
Same as Engineering Drawing 121, 122, 123.
Winter and spring terms only.

124. Agricultural Drawing. Lecture 1 hour. Drawing room 4 hours.
Prerequisite: None.

231. Descriptive Geometry. Three two-hour periods per week for lecture and laboratory.

232. Machine Drawing. Lecture 1 hour. Drawing room 6 hours.
Prerequisite: Engineering Drawing 123.

321. Lettering. Lecture 1 hour. Drawing room 4 hours.

331, 332. Mechanical Drawing for Teachers. Lecture 1 hour and 6 hours laboratory per week. Two terms.

DEPARTMENT OF ELECTRICAL ENGINEERING.

The course in Electrical Engineering aims to give a thorough and comprehensive training in the fundamental principles of electricity and magnetism, which experience has proven to be necessary for the proper development of the electrical engineering student.

The instruction in these principles includes consideration of the theory, operation, and design of circuits, generators, motors, converters, control devices, transmission lines, and distribution systems.

Special emphasis is placed upon the student's ability to reason logically, apply mathematics, and speak and write clear, concise English. In order to prepare the student for his professional courses, the first two years are devoted to a study of mathematics, English, physics, chemistry, drawing, and shop practice.

No sharp division can be made between the various branches of engineering. Therefore the student is given thorough courses in the fundamentals of chemical, civil, and mechanical engineering in addition to the work in electrical engineering.

In the Electrical Engineering course the theory is taught in the classroom and then applied in the laboratory by practical tests.

ELECTRICAL ENGINEERING.

Courses of Instruction.

231. Principles of Electrical Engineering. Class 3 hours.
Prerequisite: Physics 242; Mathematics E232.

311, 312. Electrical Engineering Laboratory. Laboratory 3 hours.
Prerequisite: Registration in Electrical Engineering 335.

321, 322, 323. Electrical Engineering Laboratory. Laboratory 6 hours.
Prerequisite: Registration in Electrical Engineering 331.

324, 325. Electrical Engineering Laboratory. Laboratory 3 hours.
Prerequisite: Registration in Electrical Engineering 335.

331, 332, 333. Principles of Electrical Engineering. Class 3 hours.
Prerequisite: Electrical Engineering 231.

334, 335, 336. Elements of Electrical Engineering. Class 3 hours.
Prerequisite: Physics 243; Mathematics E233.

410. Electrical Engineering Seminar. Class 1 hour.
Prerequisite: Electrical Engineering 432.

421, 422, 423. Electrical Engineering Laboratory. Laboratory 6 hours.
Prerequisite: Registration in Electrical Engineering 431.

431, 432, 433. Alternating Current Machinery. Class 3 hours.
Prerequisite: Electrical Engineering 333.

434, 435, 436. Electrical Applications and Transmission. Class 3 hours.
Prerequisite: Registration in Electrical Engineering 431.

DEPARTMENT OF GEOLOGICAL ENGINEERING.

The course in Geological Engineering is designed to meet the needs of those students who desire technical training in geological subjects, together with training in engineering subjects. It combines courses offered in the School of Liberal Arts with courses offered in the School of Engineering. The object of the course is to fit students for practical work in economic geology, especially in those phases which have to do with the petroleum industry. (For courses of instruction, see outline of curriculum for Geological Engineering.)

DEPARTMENT OF MECHANICAL ENGINEERING.

Mechanical engineering is that branch of engineering which deals with the generation, transmission and utilization of power, the design, construction, operation and testing of machinery, and the management of shops and factories. The course of study in mechanical engineering is designed to prepare the student for entrance into these fields.

The curriculum includes, in addition to the fundamental sciences and the professional courses, a thorough training in the use of English and foundation courses in business and government. Early in his course the student is given sufficient training in the mechanic arts to make him familiar with the use of hand and machine tools and with the methods employed in the machine shop, the pattern shop and foundry, and the forge shop. In the professional subjects, by means of lectures, recitations and drawing room work, typical mechanical engineering problems are presented and their practical solution by the application of physics, chemistry, and mathematics, is indicated.

CHEMICAL ENGINEERING OPTION.

Students desiring to study chemical engineering will register in the Department of Mechanical Enginering. Certain chemistry courses will be substituted for some of the prescribed work in the curriculum, thus preparing the students for employment in the chemical phases of industrial and manufacturing fields.

Upon the completion of this curriculum the degree of Bachelor of Science in Mechanical Engineering (Chemical Engineering option) will be conferred. The curriculum is so arranged that only one more year of study is required to earn the degree of Bachelor of Science in Chemical Engineering in institutions granting such degree.

MECHANICAL ENGINEERING.

COURSES OF INSTRUCTION.

211, 212. Wood Shop. Laboratory 3 hours.

221. Mechanical Engineering Problems. Class 1 hour, laboratory 2 hours.

Prerequisite: Physics 144 and 145.

222. Mechanism. Class 2 hours, laboratory 3 hours.

Prerequisite: Drawing 232, Mechanical Engineering 221.

225. Pattern Shop. Laboratory 6 hours.

226. Foundry and Forge Shop. Laboratory 6 hours.

Prerequisite: Mechanical Engineering 225.

227. Machine Shop. Laboratory 6 hours.

Prerequisite: Mechanical Engineering 226.

311, 312, 313. Machine Shop. Laboratory 3 hours.

Prerequisite: Mechanical Engineering 212.

315. Machine Shop. Laboratory 3 hours.
Prerequisite: Mechanical Engineering 227.

316, 317. Shop Project Course. Laboratory 3 hours.
Prerequisite: Mechanical Engineering 315.

318, 319. Heat Engineering Laboratory. (T. E.) Laboratory 3 hours.
Prerequisite: Registration in Mechanical Engineering 335.

321. Mechanical Measurements. Laboratory 6 hours.
Prerequisite: Registration in Mechanical Engineering 331.

322. Thermodynamics Laboratory. Laboratory 6 hours.
Prerequisite: Registration in Mechanical Engineering 333.

326, 327. Machine Design. Laboratory 6 hours.
Prerequisite: Mechanical Engineering 222.

328, 329. Heat Engineering Laboratory. (E. E.) Laboratory 6 hours.
Prerequisite: Registration in Mechanical Engineering 335.

331. Mechanical Engineering Equipment. Class 3 hours.
Prerequisite: Mechanical Engineering 222.

332, 333. Thermodynamics. Class 3 hours.
Prerequisite: Mechanical Engineering 331.

334, 335, 336. Heat Engineering. (E. E. and T. E.) Class 3 hours.
Prerequisite: Mechanical Engineering 221.

337, 338. Heat Engineering. (C. E.) Class 3 hours.

339. Heat Engineering. (C. E.) Class 2 hours, laboratory 3 hours.

411, 412. Seminar. Class 1 hour.
Prerequisite: Senior standing.

420. Machine Shop. (T. E.) Laboratory 6 hours.

421, 422. Power Plant Laboratory. Laboratory 6 hours.
Prerequisite: Registration in Mechanical Engineering 431.

423. Gas Engines Laboratory. Laboratory 6 hours.
Prerequisite: Registration in Mechanical Engineering 437.

424, 425. Engineering Design. Class and laboratory 6 hours.
Prerequisite: Mechanical Engineering 327.

427. Dynamics. Class 2 hours.
Prerequisite: Civil Engineering 331, 332, 333.

428. Industrial Engineering. Class 2 hours.
Prerequisite: Mechanical Engineering 434.

431, 432. Power Plant Engineering. Class 2 hours.
Prerequisite: Mechanical Engineering 333.

433. Refrigeration. Class 3 hours.
Prerequisite: Mechanical Engineering 333.

434. Industrial Engineering. Class 3 hours.
Prerequisite: Senior standing.

435, 436. Heating and Ventilation. Class 2 hours, laboratory 3 hours.
Prerequisite: Senior standing.

437, 438. Internal Combustion Engines. Class 3 hours.
Prerequisite: Mechanical Engineering 333.

439. Metallurgy of Iron and Steel. Class 3 hours.
Prerequisite: Chemistry 143; Physics 243.

DEPARTMENT OF TEXTILE ENGINEERING.

The Department of Textile Engineering offers excellent opportunities to the students who intend entering the textile industry. With the superior equipment for instruction in the manufacture of all grades of cotton goods, this department is expected to bring a material increase in the wealth and prosperity of the people of the State, and help reduce the millions of dollars worth of raw materials being shipped annually to distant factories to be made into finished products.

The building occupied by this department has two stories and is sixty-six feet wide by two hundred and eighteen feet long. It is a splendid example of architectural skill, and has admirably arranged classrooms, laboratories, machinery halls, etc.

A broad education is given as a foundation for the work in textile engineering. The course includes English, mathematics, physics, chemistry, machine design, surveying, steam engines and boilers, electricity, etc., in addition to the purely textile subjects.

The purely textile work comprises lectures, calculations, testing, investigation and experimenting with the various machines; practical running or operation of the machines by the students, so as to make them familiar with the use and operation of each machine and process; sketching of the most complicated parts, setting of rollers for some particular staple of cotton, setting of the builder motions, plumbing spindles, etc., and changing of counts and varieties of yarn by the students. The principles of fabric structure are studied, and also the elements of woven design. Cloth analysis is studied to ascertain the structure in order that the fabric may be reproduced.

Each student receives samples of products made, which are in a large measure standard fabrics, with all data regarding their manufacture, etc.

The weaving department is equipped with the most modern machinery for the production of almost any type of cotton fabric; and it is upon these machines that the students have practical work, and manufacture many standard fabrics. The construction details as well as the practical working of the machines, and all related calculations are studied. A wide latitude is given the student in producing fabrics to illustrate different color combinations and weave effects of his own. All calculations, etc., incident to the above are made by the student.

The principles of latch needle knitting applicable to the knitting of ladies' hose, men's half-hose, and mufflers are studied.

The construction and operation of the various machines are taken up in detail.

The equipment in this department, as in all the various departments, consists of the very best and latest construction.

The work in dyeing and finishing includes both theory and practice. Laboratory work precedes the practical dyeing on the machines. In the laboratory the students take up the actions of alkalies, acids, etc., upon the different textile fibers; and the application of the various classes of dyes to silk, wool and cotton are studied. Full details of the processes employed in bleaching cotton yarn, and cloth are followed; including water purification by chemical and mechanical means with special reference to bleaching and finishing.

A room is furnished as a textile laboratory, and it is equipped with the most approved apparatus for testing the products in the various stages of manufacture into yarns, cloth, etc.

Cotton, laps, slivers, rovings, yarns and fabrics are tested for determining the moisture content, the effect of different speeds, adjustments or setting, twists, temperatures and humidities, etc., on the appearance, elasticity, and strength of yarns and fabrics.

Complete systems of heating, lighting, humidifying, etc., and all apparatus, etc., found in the modernly equipped mill are installed here.

The practical work enables the student to become familiar with all details in the design, construction, and operation of the various machines and processes. Various products are manufactured by the students under the direction of the instructors.

The work of the freshman class is the same as that for the other engineering courses. That for the sophomores, however, includes a four-hour course in the fundamental theory and practice of textile engineering.

TEXTILE ENGINEERING.

COURSES OF INSTRUCTION.

227. Yarn Manufacture. Recitation and laboratory 2 periods per week for spring term.

Prerequisite: Sophomore standing.

224, 225, 226. Fabric Design and Manufacture. Recitation and laboratory 2 periods per week.

Prerequisite: Sophomore standing.

321, 322, 323. Yarn Manufacture. Recitation and laboratory 3 hours.
Prerequisite: Textile Engineering 227.

341, 342, 343. Fabric Design and Manufacture. Recitation and laboratory 4 periods per week.
Prerequisite: Textile Engineering 233.

421, 422, 423. Dyeing and Finishing. Recitation and laboratory 2 periods per week.
Prerequisite or parallel: Chemistry 345.

431, 432, 433. Yarn Manufacture, Knitting and Testing. Recitation and laboratory 3 periods per week.
Prerequisite: Textile Engineering 323.

441, 442, 443. Fabric Design and Manufacture. Recitation and laboratory 4 periods per week.
Prerequisite: Textile Engineering 343.

SCHOOL OF AGRICULTURE

FACULTY.

PAUL W. HORN, A. M., LL. D.,
President.

ARTHUR HENRY LEIDIGH, M. S.,
Dean of Agriculture and Professor of Agronomy.

WENZEL LOUIS STANGEL, M. S.,
Professor of Animal Husbandry and Head of Department.

CHARLES HAROLD MAHONEY, M. S.,
Professor of Horticulture and Head of Department.

LEANDER D. HOWELL, M. S.,
Professor of Agricultural Economics and Farm Management and Head of Department.

HARLEY J. BOWER, M. S.,
Associate Professor of Agronomy and Acting Head of Department.

KENNETH M. RENNER, M. S.,
Associate Professor of Dairy Products and Manufactures and Acting Head of Department.

RAY C. MOWERY, M. S.,
Associate Professor of Animal Husbandry.

FRED G. HARBAUGH, B. S., D. V. M.,
Assistant Professor of Animal Husbandry.

HAROLD J. BRODRICK, B. S.,
Assistant Professor of Horticulture.

F. I. DAHLBERG, B. S.,
Instructor, Superintendent of Farms.

Texas in general, and Western Texas almost exclusively, depends upon agriculture for a livelihood. The availability of instruction in those subjects which have to do with sane, practical agriculture is fundamental to the prosperity and continued development of a State whose principal industries, even aside from agriculture, are in general dependent upon agriculture.

The purpose of the courses of study outlined herewith is to meet the needs of those who desire to prepare themselves for service and life in some part of the agricultural organization of this country as a whole. Courses are accordingly offered for those who expect to operate farms or ranches, those who purpose to enter technical and scientific professions bearing directly on agriculture, and also for those who desire to live in and be a part of a community in which the basic industry is agriculture. In all these courses, it is felt that sympathy with and understanding of agricultural subjects and problems are essential to the intelligent citizen.

One may acquire experience in farming and a limited knowledge of some of its fundamentals by working at farming as a trade. The skill and understanding so obtained are necessarily very limited and are acquired slowly and expensively. A more systematic and broader knowledge of the subject acquired at a reasonable expense is obtainable in college, and at the same time the student obtains education in many of the so-called cultural subjects which broaden his outlook on life and make him more fit for the discharge of his duties to the State and to the community in which he lives.

A good education for one engaged in any of the various branches of agriculture necessitates that part of the cultural subjects of the usual college course be replaced by those which have a direct bearing on agriculture.

The scientific and technical subjects studied are fundamental. In the latter years of the student's work, the scientific and agricultural subjects have both a more specific application to agriculture, and a more fundamental bearing on certain special lines of work which the student may desire to pursue as a life work.

EQUIPMENT.

One aim of education is that it be productive. In agriculture the laboratory method of instruction is given very great emphasis. Our laboratories are both in and out of doors. Foundation herds of live stock are available for the use of the students. The School of Agriculture is equipped with a farm comprising approximately 700 acres of pasture land and 964 acres of farm lands, including small pastures, making a total of approximately 1664 acres. In addition to the farm the campus proper covers 320 acres, which is available for demonstration and instructional purposes especially in some branches of horticulture. The equipment devoted to agriculture has an inventory value of approximately $200,000.

Part of the farm land is devoted to the maintenance of live stock for purely instructive purposes. The balance is being developed for instructional purposes as rapidly as possible, pending which time part of it is leased. Equipment for farming is available and is selected to serve also for the purpose of instruction.

The permanent buildings now available are the Stock Judging Pavilion and the Dairy Barn. These are constructed of tile and stucco. The Stock Judging Pavilion contains classrooms, a large arena and seats. The dairy barn has a capacity of 40 cows, and contains feed rooms, milk rooms, boiler room, etc., and modern equipment. Thirty acres of dry-farmed pasture is fenced in lots near the dairy barn.

The poultry plant consists of 12 houses and 10 acres cross-fenced.

The Horticultural Department has planted and is developing an 8-acre orchard and propagation garden.

The animals now owned by the College and used for laboratory instruction purposes consist of the following:

Dairy cattle, 32.
Beef cattle, 9.
Horses and mules, 12.
Hogs, 109.
Sheep, 43.
Poultry, 544.

ADDITIONAL BUILDINGS.

Funds are available for the erection of two new buildings for the School of Agriculture. These will be the first units of a greenhouse and an Agricultural Building. These buildings will be located southwest of the Administration Buiding, and, with the Stock Judging Pavilion, will farther outline the agricultural group. Construction will start at once and both will be ready in the fall of this year. The greenhouse is designed principally for use of the Department of Horticulture and the Department of Agronomy. It will consist of a central fireproof house containing a heating plant, work rooms and propagation laboratory. The glass range will be on the south of this central building. The greenhouse is so designed that additional space may be added from time to time with no material reconstruction being necessary. An individual heating plant is included in the equipment, so that on holidays, or in case of accidents to the College plant, this small building may be kept heated as desired.

The Agricultural Building is so designed that when an appropriation is secured for a permanent Agricultural Building, it may become a part of the plan. It will contain offices for the staff of the School of Agriculture, classrooms and laboratories. On completion of this building, the School of Agriculture will be moved from the Home Economics Building.

FIELD FOR GRADUATES.

There is a constant demand for men trained in specialized lines of agriculture as well as for men to enter professions wherein a basic agricultural education is required. The School of Agriculture will assist its graduates in securing employment if desired. Among the lines of work usually open to graduates are the following positions:

Farmers and farm managers; marketing agents; managers of cooperative associations; teachers in colleges, academies and high schools; extension experts in agricultural colleges, railroads and land companies; government and experiment station lines of research work; horticultural experts; poultry experts; feed inspecting, etc.; county agents; assistants in seed houses; agricultural writing for farm journals; plant pathologists; entomologists trained in agriculture; landscape architects; agricultural engineers, and farm machinery specialists.

ENTRANCE REQUIREMENTS.

The School of Agriculture requires fifteen standard entrance unit credits from an accredited high school or entrance by examination.

The units acceptable to meet the entrance requirements are:

1. English	3 units
2. Mathematics:	
Algebra	1 unit
Plane Geometry	1 unit
And ten units selected from the following:	
3. Social Sciences, such as: History, civics, economics, sociology, etc., two units if only one is selcted in group four, but if two are selected in group four then one unit from group three	2 or 1 unit
4. Science, such as: Botany, zoology, chemistry, physics, geology, general science, physiology, etc., two units if only one is selected by group three, but if two are selected in group three, then one unit in group four	1 or 2 units
5. Any other standard units, but not more than four can be vocational subjects	7 units
Total	15 units

If the student cannot present the necessary two units in mathematics, but can present a total of fifteen units that are otherwise satisfactory, he may be admitted to the freshman class, provided the conditions are all removed by examination, or otherwise, before he can be enrolled in any sophomore course in the College.

ADDITIONAL REQUIREMENTS FOR GRADUATION.

In addition to completing the required courses of study, any candidate for a degree in Agriculture must have had at least six months farm experience in labor or management during the recent years of his life. A formal statement giving information regarding this experience must be filed in the dean's office previous to the first term of the candidate's senior year. If the statement does not receive approval the candidate will be required to satisfy this requirement before continuing his studies. Co-operation in securing employment on approved farms and ranches is offered by the departments to the end that, when desired, summer employment may be made to serve the purpose of this requirement.

SUBSTITUTION FOR FAILURE IN REQUIRED WORK.

A student who has a failing grade on his record in any required subject of the course must remove this grade by satisfactory repetition of the class work or be allowed to substitute other work by the Faculty of the School of Agriculture before he will be graduated. If this failing grade is in a subject which is a prerequisite to other studies, this grade must be removed before the latter course may be attempted.

MAJOR LINES OF WORK.

Specialized courses of study are offered in Animal Husbandry, Agronomy, and Horticulture. A four-year course is also given in General

Agriculture. While the curricula as scheduled are believed to be sufficient to cover the needs of the average students, it is possible to combine various portions of the work of two or more of them so that an even more specialized preparation may be secured. In special cases permission will be granted to combine the work of two or more departments. For those who are not certain what particular branch of the profession they will follow, it is advised that the general courses be adhered to. Substitutions and combinations will be permitted only when there is good evidence that the student desiring such work is practically certain to follow the branch selected. In any case where modifications are granted, the degree will be based on the course in which the major part of the work was taken. Substitution of technical work for the required general cultural work in the course will not be permitted.

TEACHERS' CERTIFICATES.

By substituting proper courses in Education and English for work in the courses in Agriculture, the student may be granted teachers' certificates good for from four years in elementary schools to as much as a permanent high school certificate, depending on how much of the required work he has satisfactorily completed. Such substitution can be arranged for him by the joint approval of the dean of the School of Agriculture and the dean of the School of Liberal Arts.

VOCATIONAL AGRICULTURAL TEACHING.

The candidate for the degree of Bachelor of Science in Agriculture may so choose his electives in his junior and senior years as to apply toward meeting the requirements for teaching vocational agriculture in schools participating in the Federal Smith-Hughes funds. In the prescribed majors in Agronomy, Animal Husbandry or Horticulture, it is necessary to elect one course for two full years in Education and one term in Farm Shop. These are elected under the supervision of the head of the department in which the student majors and are to apply as specific courses as required by the State Department of Education.

WORK OFFERED TO STUDENTS REGISTERED IN THE OTHER SCHOOLS.

Courses with special appeal to students interested in Rural Economics, Journalism, Administration, Home Economics, Textile Engineering, and Rural Teaching are offered either as required subjects or as electives in the Agricultural curricula and provision made, whenever possible, to accommodate students from other parts of the College. When prerequisites are required, these conditions are inflexible.

CORRESPONDENCE SERVICE.

Two types of correspondence service in Agriculture are available to the public. These are as follows:

1. *College Credit Courses.*—Many of the regular college studies may, under approved conditions, be taken by correspondence for credit toward a degree. These courses comprise in general non-laboratory courses but students may likewise register for certain courses requir-

ing survey data or other original data. On application, a student may learn what courses are open to him. The instruction by correspondence will be directed by the Department of Correspondence Study of the College working in conjunction with the specific teachers in the various Departments of the School of Agriculture. For further information, those interested are referred to the section of this Bulletin devoted to the Department of Correspondence Study.

2. *Information Service.*—In response to an insistent demand for direct Agricultural information, a letter answering service is now maintained. The purpose of the service is to afford a definite treatment to technical or informational questions concerning western Agricultural and related subjects. All such questions will be promptly answered if possible or referred to other authorities. Address inquiries of this nature to the Dean, School of Agriculture, and enclose return postage or addressed stamped envelope.

Short Courses and Contests.—The aim and purpose of the School of Agriculture is to offer instruction of college grade only. No regularly scheduled elementary work is offered. It is desired that the agricultural equipment serve the greatest number of people and to that end contests for Vocational Agricultural students and Boys' Club members and informational demonstrations of one or two days each are conducted on request. County agents, teachers and farmers desiring such service should submit their application well in advance to the Dean of the School of Agriculture.

Each year a Vocational Agricultural Contest is held for High School students who compete for trophies awarded by the Lubbock Chamber of Commerce.

UNIFORM FRESHMAN YEAR.

All Agricultural students are required to take a uniform course of study in their Freshman year. This is to allow the student to become familiar with the courses of instruction and to decide fully as to his qualifications before making election of specific majors. With the exception of the Landscape Architecture major, the Sophomore courses are also all uniform.

DEGREES.

The degree of Bachelor of Science in Agriculture will be conferred upon completion of the prescribed courses in the School of Agriculture, given in the First Annual Catalog, 1925-1926, pages 103 to 121, with majors in General Agriculture, Agronomy, Animal Husbandry, and Horticulture. This applies to students registering previous to the fall of 1927, or to complete their work with such classes.

Students registering as Freshmen in the fall of 1927 and completing the required courses, as outlined in the following pages, will receive the degree of Bachelor of Science in Agriculture or the degree of Bachelor of Landscape Architecture. The degree of Bachelor of Science in Agriculture is given with majors in General Agriculture, Agronomy, Animal Husbandry and Horticulture.

UNIFORM COURSE FOR ALL AGRICULTURAL STUDENTS

	Credit Hours		
	Fall	Winter	Spring
Freshman Year			
Animal Husbandry 131—Types, Market Classes and Breeds of Beef, Cattle and Sheep	3	....	....
Animal Husbandry 132—Types, Market Classes and Breeds of Hogs and Horses	....	3	....
Animal Husbandry 133—Types and Breeds of Dairy and Dual-Purpose Cattle	....	....	3
Botany 131, 132, 133—General Botany	3	3	3
Chemistry 141, 142, 143—General Chemistry	4	4	4
English 131, 132, 133—Composition	3	3	3
General Agriculture 1(⅓)1, 1(⅓)2, 1(⅓)3—Agricultural Lectures	⅓	⅓	⅓
Mathematics A131—Agricultural Mathematics	....	....	3
Military Training or Physical Training 111, 112, 113—Military or Physical Training	1	1	1
Public Speaking 131, 132—Public Speaking	3	3	....
	17⅓	17⅓	17⅓
Sophomore Year (Except Landscape Architecture Course)			
Horticulture 241—Plant Propagation	4	....	....
Horticulture 232—Vegetable Gardening	....	3	....
Agronomy 241—Fundamentals of Crop Production	....	4	....
Animal Husbandry 231—Dairying	3	....	....
Poultry Husbandry 241—Farm Poultry	....	....	4
Zoology 234—Principles of Zoology	3	....	....
Zoology 235—Applied Zoology	....	3	....
Zoology 236—General Entomology	....	....	3
Physics 244, 245—Agricultural Physics	4	3	....
Chemistry 331, 332—Organic Chemistry	....	3	3
Drawing 124—Mechanical Drawing	2	....	....
Civil Engineering 230—Principles of Surveying	....	....	3
Mathematics A231—Agricultural Mathematics	....	....	3
Military Training or Physical Training 211, 212, 213—Military or Physical Training	1	1	1
	17	17	17

CURRICULUM FOR GENERAL AGRICULTURE MAJOR

	Credit Hours		
	Fall	Winter	Spring
Junior Year			
Agronomy 331—Forage Crops	3	....	....
Agronomy 333—Cotton and other Fiber Crops	....	3	....
Genetics 331, 332—Principles of Genetics	....	3	3
Animal Husbandry 342—Nutrition and Feeding	....	....	4
Economics 231, 232, 233—Principles	3	3	3
English, elective	3	....	....
Agriculture or science, elective (supervised)	3	3	3
*Elective (supervised)	3	3	3
	15	15	15
Senior Year			
Farm Management 431—Marketing Agricultural Products	3	....	....
Farm Management 432, 433—Farm Management	....	3	3
**Elective—Agriculture Seminar	....	1	1
General Agriculture 411—General Agricultural Lectures	....	....	1
Electives (supervised)	12	12	12
	15	16	17

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*Elective must be a full year of any one of the following: Education, English, Foreign Language, Sociology, Government.

**Agronomy, Animal Husbandry or Horticulture Seminar but seminar work in Science may be substituted.

CURRICULUM FOR AGRONOMY MAJOR

	Credit Hours		
	Fall	Winter	Spring
Junior Year			
Agronomy 331—Forage Crops	3		
Agronomy 333—Cotton and other Fiber Crops		3	
Agronomy 335—Soils, Principles			3
Genetics 331, 332—Principles of Genetics		3	3
Animal Husbandry 342—Nutrition and Feeding			4
Bacteriology 231—Principles	3		
Botany 232—Plant Anatomy		3	
Botany 330—Plant Pathology			3
English, Elective	3		
Economics 231, 232, 233—Principles	3	3	3
*Elective (supervised)	3	3	3
	15	15	16
Senior Year			
Agronomy 431—Grain Crops	3		
Agronomy 433—Soil Fertility**		3	
Agronomy 432—Advanced Crop Judging and Grading**		3	
Agronomy 434—Principles of Irrigation		3	
Genetics 431—Cotton and Grain Sorghum Breeding	3		
Farm Management 431—Marketing Agricultural Products	3		
Farm Management 432, 433—Farm Management		3	3
Agronomy 411, 412—Seminar		1	1
General Agriculture 411—General Agricultural Lectures			1
Electives (supervised)	6	3	10
	15	16	15

CURRICULUM FOR ANIMAL HUSBANDRY MAJOR

	Credit Hours		
	Fall	Winter	Spring
Junior Year			
Animal Husbandry 331—Advanced Livestock Judging		3	
Animal Husbandry 341—Animal Nutrition			4
Veterinary Science 331—Anatomy and Physiology	3		
Veterinary Science 332—Animal Parasites		3	
Veterinary Science 333—Animal Diseases			3
Genetics 331, 332—Principles of Genetics		3	3
Agronomy 331—Forage Crops	3		
Economics 231, 232, 233—Principles of Economics	3	3	3
English	3		
*Electives (supervised)	3	3	3
	15	15	16
Senior Year			
Animal Husbandry 431—Beef Production**	3		
Animal Husbandry 432—Horse Production**	3		
Animal Husbandry 433—Sheep Production**		3	
Animal Husbandry 434—Swine Production**		3	
Animal Husbandry 435—Dairy Production**			3
Poultry Husbandry 431—Poultry Production**			3
Farm Management 431—Marketing Agricultural Products	3		
Farm Management 432, 433—Farm Management and Marketing		3	3
Animal Husbandry 411, 412—Seminar		1	1
General Agriculture 411—Agricultural Lectures			1
Electives (supervised)	6	6	6
	15	16	17

*Elective must be a full year of any one of the following: Education, English, Foreign Language, Sociology, Government.

**One of these courses may be omitted and a supervised elective substituted.

CURRICULUM FOR HORTICULTURE MAJOR

	Credit Hours		
	Fall	Winter	Spring
Junior Year			
Horticulture 341—Pomology	4		
Horticulture 332—Pruning and Spraying		3	
Horticulture 339—Floriculture			3
Genetics 331, 332—Principles		3	3
Animal Husbandry 342—Nutrition and Feeding			4
Agronomy 331—Forage Crops	3		
Bacteriology 231—Principles	3		
Botany 232—Plant Anatomy		3	
Botany 330—Plant Pathology			3
Economics 231, 232—Principles	3	3	
*Elective (supervised)	3	3	3
	16	15	16
Senior Year			
Horticulture 435, 436, 437—Advanced Pomology	3	3	3
Horticulture 449—Systematic Pomology	4		
Horticulture 433—Marketing Horticultural Products		3	
Horticulture 411, 412—Seminar		1	1
Horticulture 439—Orchard Diseases and Insects			3
Farm Management 431—Marketing Agricultural Products	3		
Farm Management 432, 433—Farm Management		3	3
Agronomy 434—Principles of Irrigation		3	
General Agriculture 411—General Agricultural Lectures			1
Electives (supervised)	5	3	4
	15	16	15
Horticulture Electives:			
331	3		
431		3	
333			3

*Elective must be a full year of any one of the following: Education, English, Foreign Language, Sociology, Government.

CURRICULUM FOR LANDSCAPE ARCHITECTURE MAJOR

	Credit Hours		
	Fall	Winter	Spring
Sophomore Year			
Horticulture 241—Plant Propagation	4		
Horticulture 339—Floriculture			3
Drawing 124—Agricultural Mechanical Drawing	2		
Architecture 121—Freehand Drawing	2	2	2
Architecture 131—Shades and Shadows		3	
Civil Engineering 230—Principles of Surveying			3
Mathematics E130—Trigonometry		3	
Mathematics E131—College Algebra			3
Government 231, 232, 233—Local Government and Political Parties	3	3	3
Physics 244, 245—Agricultural Physics	4	3	
Physical Training or Military Training 211, 212, 213	1	1	1
	16	15	15
Junior Year			
Horticulture 321, 322, 323—Ornamentals	2	2	2
Landscape Architecture 331, 332, 333—Introduction to Landscape Architecture	3	3	3
Landscape Architecture 334—Mapping and Topography	3		
Landscape Architecture 335, 336—Landscape Construction		3	3
Agronomy 335—Soils, Principles	3		
Agronomy 330—Grasses		3	
Economics 231, 232—Principles	3	3	
Botany 233—Taxonomy			3
Electives—Supervised	3	3	6
	17	17	17
Senior Year			
Landscape Architecture 431, 432, 433—Advanced Design	3	3	3
Landscape Architecture 435, 436—Planting Design		3	3
Landscape Architecture 429—Landscape Architecture Office Practice			2
Landscape Architecture 437, 438—City Planning		3	3
Horticulture 421—Care of Plant Materials	2		
Government 320—Business Law	2		
Government 221—Parliamentary Law	2		
Horticulture Electives	3	3	3
Electives—Supervised	3	3	3
	15	15	17

COURSES OF INSTRUCTION

GENERAL AGRICULTURE.

A four-year course in General Agriculture is offered for those students who do not care to specialize in any certain department but do want a fundamental and working knowledge of the science of Agriculture. This allows these students to take elective subjects in other departments of the College. This course is designed for men who intend to enter general farming, as well as those who wish to enter the field of county agent work, high school agricultural teaching, agricultural chemistry, economic entomology, plant pathology, etc., and those intending to go on with graduate work. Electives must be approved by the Dean.

Those subjects which are of a general nature and are not yet definitely assigned to any specific department are classified under General

Agriculture, and are under the direct supervision of the Dean of Agriculture. (For more detailed information, see second annual catalogue.)

General Agriculture ($1\frac{1}{3}1$), ($1\frac{1}{3}2$), ($1\frac{1}{3}3$). *Agricultural Lectures.*

General Agriculture 411. Agricultural Lectures.
Prerequisite: Senior standing in the School of Agriculture.

General Agriculture 431. Pasture Management.
Prerequisite: Senior standing in the School of Agriculture.

General Agriculture 435. Country Life and Institutions.

Agricultural Education 331. Rural Education.

Agricultural Education 432, 433, 434. Special Methods and Supervised Teaching of Agriculture.

Agricultural Engineering 331. Farm Shop.
Prerequisite: Physics, Drawing and Surveying.

Agricultural Engineering 431. Terracing and Drainage.
Prerequisite: Physics, Drawing and Surveying.

DEPARTMENT OF AGRICULTURAL ECONOMICS AND FARM MANAGEMENT.

The Department of Agricultural Economics and Farm Management is a new department with instruction available in the fall of 1927. Additional courses will be available as rapidly as the organization of the department is completed.

This department aims to present to the student the business side of farming and ranching and of rural life, as well as the relation of agriculture to the general business of the country as a whole.

Instruction is given in agricultural marketing, credit, insurance, accounting statistics and administration. Attention is also given to farm organizations, institutions and the relation of rural to urban economic problems.

COURSES.

Farm Management 431. Marketing Agricultural Products.
Prerequisite: Two terms of Economics and senior standing.

Farm Management 432 (433). Farm Management.
Prerequisite: Farm Management 431.

Farm Management 434 (435). Farm Accounting.
Prerequisite: Senior standing in Agriculture.

Farm Management 436. Advanced Farm and Rural Economics.
Prerequisite: Senior standing in Agriculture.

DEPARTMENT OF AGRONOMY.

The Department of Agronomy offers courses designed to provide instruction in farm crops, crop production, dry farming, irrigation farming, soils and soil fertility.

In addition to maintaining demonstration plats to illustrate farm operations and practice, a large series of farm crop varieties are being maintained for the purpose of being available for the student as examples of practically all of the material that it is feasible to grow in this region. It is hoped that the presence and availability of this material here may be of great benefit to the farmer and seedmen of this region, as well as of benefit to the student.

COURSES.

Agronomy 241. The Fundamentals of Crop Production.
Prerequisite: Horticulture 241.

Agronomy 330. Grasses.
Prerequisite: Botany one year; Horticulture 241.

Agronomy 331. Forage Crops.
Prerequisite: Agronomy 241; Botany one year.

Agronomy 333. Cotton and Other Fiber Crops.
Prerequisite: Agronomy 241; Botany one year.

Agronomy 335. Soils, Principles.
Prerequisite: One year of Chemistry; two terms of Physics; Agronomy 241.

Agronomy 411 (412). Agronomy Seminar.

Agronomy 431. Grain Crops.
Prerequisite: Agronomy 241; Botany one year.

Agronomy 432. Advanced Crop Judging and Grain Grading.
Prerequisite: Agronomy 331, 431.

Agronomy 433. Soil Fertility.
Prerequisite: Agronomy 332.

Agronomy 434. Irrigation.
Prerequisite: Surveying; senior standing.

Agronomy 435. Dry Land Farming.
Prerequisite: Agronomy 332.

DEPARTMENT OF ANIMAL HUSBANDRY.

The Department of Animal Husbandry provides instruction designed to train students to select, breed, feed, manage and market farm and ranch animals and poultry. The live stock and poultry, numbering over six hundred and fifty head, includes most of the major breeds of beef and dairy cattle, hogs, horses, sheep and poultry and are maintained and used primary for class instruction. More live stock are being added as State appropriation become available.

The equipment of the department includes a live stock judging pavilion; a fully equipped modern dairy barn which will house sixty head of stock, and so constructed that it can be added to, thus increasing its capacity to one hundred head as well as including box stalls for cows on test; a concrete silo of one hundred and forty-ton capacity; temporary shelters for cattle, hogs, horses and sheep; a poultry plant covering ten acres, fenced and cross fenced, and on which have been erected eight 10x12-foot egg-laying contest houses and four 20x30-foot production houses. The department has available most of the pasture land and sufficient farm land of the 2000 acres owned by the College, which helps materially in the upkeep of the live stock.

Laboratory equipment, besides the farm animals, poultry and barns, also include complete apparatus for instruction in poultry brooding and incubation.

COURSES.

Animal Husbandry 131. Types, Market Classes, and Breeds of Beef Cattle and Sheep.

Animal Husbandry 132. Types, Market Classes, and Breeds of Hogs and Horses.

Animal Husbandry 133. Types and Breeds of Dairy and Dual-Purpose Cattle.

Animal Husbandry 231. Dairying.
Prerequisite: Animal Husbandry 133.
(See Department of Dairy Products and Manufactures.)

Animal Husbandry 241. Farm Dairying (Home Economics.)
(See Department of Dairy Products and Manufactures.)

Animal Husbandry 331. Advanced Live Stock Judging.
Prerequisites: Animal Husbandry 131, 132, and 133.

Animal Husbandry 341. Animal Nutrition.
Prerequisite: Organic Chemistry.

Animal Husbandry 342. Animal Nutrition and Live Stock Feeding.
Prerequisite: Organic Chemistry.

Animal Husbandry 431. Beef Production.
Prerequisite: Animal Husbandry 341 and Genetics 332.

Animal Husbandry 432. Horse Production.
Prerequisite: Animal Husbandry 341 and Genetics 332.

Animal Husbandry 433. Sheep Production.
Prerequisite: Animal Husbandry 341 and Genetics 332.

Animal Husbandry 434. Swine Production.
Prerequisite: Animal Husbandry 341 and Genetics 332.

Animal Husbandry 435. Dairy Production.
Prerequisite: Animal Husbandry 341 and Genetics 332.

Animal Husbandry 441. Live Stock Management.
Prerequisite: Animal Husbandry 131, 132, 133, and 342, and Genetics 332.

Animal Husbandry 411. Seminar.

Animal Husbandry 412. Seminar.

Poultry Husbandry 241. Farm Poultry.

Poultry Husbandry 431. Poultry Production.
Prerequisite: Poultry Husbandry 241; Animal Husbandry 341, and Genetics 332.

Veterinary Science 331. Anatomy and Physiology of Domestic Animals.

Veterinary Science 332. Animal Parasites.
Prerequisite: Zoology 236.

Veterinary Science 333. Animal Diseases.

DEPARTMENT OF DAIRY PRODUCTS AND MANUFACTURES.

The Department of Dairy Products and Manufactures provides instruction in the marketing and manufacturing of the various dairy products. Closely associated with the Department of Animal Husbandry, this new department is organized to handle the utilization of dairy products. Instruction is offered in fundamentals and excellent equipment for these courses is at hand. Advanced courses will be available as soon as the organization of the department is completed.

Dairying 231. Dairying.
Prerequisite: Animal Husbandry 133.

Dairying 241. Farm Dairying (Home Economics).

DEPARTMENT OF HORTICULTURE.

The Department of Horticulture offers instruction in the fundamental principles underlying Horticulture. This comprises instruction in plant propagation, orcharding, floriculture, truck farming, ornamentals, and landscape design.

The fact that every farmer should have his own home garden and should beautify his own farm property is properly stressed.

Space for greenhouse instruction with the necessary laboratory equipment is available.

The beautification of the campus, which is under way, offers abundant instruction to the student in planning, planting, training, and identification of trees, shrubs, flowering shrubs, and flowering annuals and perennials.

The purpose of the curriculum in Landscape Architecture is to provide instruction that will equip the student for practice as a landscape architect. The course of study provided gives instruction in the design, construction, planting, development and maintenance of farmsteads, estates, private grounds, parks, playgrounds, subdivisions, golf courses and city planning. The nature of this course of study is such that the uniform sophomore course of study of agricultural students is not required.

COURSES.

Horticulture 241. Plant Propagation.
Prerequisite: Botany 133.

Horticulture 232. Vegetable Gardening.
Prerequisite: Horticulture 241.

Horticulture 321. Ornamentals.
Prerequisite: Landscape Architecture students.

Horticulture 322. Ornamentals.
Prerequisite: 321.

Horticulture 323. Ornamentals.

Horticulture 331. Grapes and Small Fruits.
Prerequisite: Horticulture 241, 232.

Horticulture 332. Pruning and Spraying.
Prerequisite: Horticulture 241, 232.

Horticulture 333. Sub-tropical Pomology.
Prerequisite: Horticulture 241.

Horticulture 339. Floriculture.

Horticulture 341. Pomology.
Prerequisite: Horticulture 241.

Horticulture 411 (412). Seminar in Horticulture.
Prerequisite: Senior standing.

Horticulture 421. Care of Plant Materials.
Prerequisite: Senior Landscape Architecture students.

Horticulture 431. Ornamentals.
Prerequisite: Horticulture 241, 232.

Horticulture 433. Marketing Horticultural Products.
Prerequisite: Horticulture 241, and Economics 231.

Horticulture 434. Citriculture.
Prerequisite: Horticulture 241, 232, and 341.

Horticulture 435, 436, 437. Advanced Pomology.
Prerequisite: Senior standing in Horticulture.

Horticulture 439. Orchard Diseases and Insects.
Prerequisite: Botany 231, Entomology, Plant Pathology, and senior standing in the School of Agriculture.

Horticulture 449. Systematic Pomology.
Prerequisite: Horticulture 241, 232; Horticulture 341.

Landscape Architecture 331. Landscape Design.
Prerequisite: Drawing 121, Architecture 123.

Landscape Architecture 332. Landscape Design.

Landscape Architecture 333. Landscape Design.

Landscape Architecture 334. Mapping and Topography.

Landscape Architecture 335, 336. Landscape Construction.
Prerequisite: Civil Engineering 230.

Landscape Architecture 429. Office Practice in Landscape Architecture.
Prerequisite: Senior Landscape Architecture students.

Landscape Architecture 431, 432, 433. Advanced Landscape Design.
Prerequisite: Landscape Architecture 333, 334, 336.

Landscape Architecture 435. Planting Design.
Prerequisite: Horticulture 323, Landscape Architecture 333.

Landscape Architecture 436. Planting Design.
Continuation of 435.

Landscape Architecture 437, 438. City Planning.

Genetics 331. Principles of Genetics.

Prerequisite: Agricultural Mathematics, Botany, Zoology, and Entomology.

Genetics 332. Principles of Genetics.

Prerequisite: Genetics 331.

Genetics 431. Cotton and Grain Sorghum Breeding.

Prerequisite: Genetics 332.

INSURANCE, DEPARTMENT OF:
List of Companies Under the Supervision of the Department of Insurance.
TEXAS LEGISLATURE:
Journal of the House of Representatives of the Regular Session of the Fortieth Legislature, January 11, 1927.

Second Class.

AGRICULTURE, DEPARTMENT OF:
Bulletin No. 88, August 1927, Growing and Marketing Texas Vegtables.
EDUCATION, DEPARTMENT OF:
Bulletin No. 225, Vol III, No. 3, July 1927, Directory of Classified and Accredited High Schools.
SUL ROSS STATE TEACHERS COLLEGE:
Bulletin No. 25, Eight Annual Catalogue and Announcements, Session of 1927-1928.

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First Class

ADJUTANT GENERAL'S DEPARTMENT:
    General Orders No. 18, September 19, 1927
AGRICULTURAL EXPERIMENT STATION:
    Bulletin No. 365, September, 1927, Crop Rotation in the Blackland Region of Central Texas
    Text for Efficiency of Various Remedies for Stomach Worms.
COMPTROLLER'S DEPARTMENT:
    Monthly Financial Statement, August, 1927.
    Occupation Tax Law With Constructions and Explanations as intrepreted by State Comptroller.
    Gross Receipt Tax Laws, September, 1927.
EDUCATION, DEPARTMENT OF:
    Bulletin No. 223, State Plans for Vocational Education in

SCHOOL OF HOME ECONOMICS

FACULTY.

Paul W. Horn, A. M., LL. D.,
President.

Margaret W. Weeks, M. S.,
Dean and Professor of Nutrition.

Jonnie Hemphill McCrery, M. A.,
Professor and Head of Foods Department.

Mabel Deane Erwin, M. A.,
Associate Professor and Head of Clothing Department.

Marie Delleney, M. A.,
Associate Professor and Head of Art Department.

Dorothy McFarlane, M. A.,
Adjunct Professor of Foods.

Katharine Harper, M. A.,
Director of Cafeteria and Adjunct Professor of Foods.

Edna Walker, B. S.,
Instructor in Clothing and Textiles.

THE PURPOSE.

The School of Home Economics of the Texas Technological College offers to young women a college curriculum in which scientific courses and practical work are closely woven with the familiar subjects of the college course; the aim being that the students who complete the course shall have the culture and broad-mindedness which is the asset of the college trained woman, together with the practical knowledge and scientific training necessary to the home-maker of today.

In addition to the vocation of the home-maker, the School of Home Economics aims to train students for specific vocations. The four majors outlined below are planned with the idea of stressing the students' major interests. The first year is essentially the same regardless of what major the student may select.

1. *General Home Economics.*—Designed to meet the needs of the student who wishes general training for the home rather than for professional use.

2. *Teacher Training in Home Economics.*—For the student who wishes to prepare herself for the profession of teacher of home economics in the high schools of the State.

3. *Foods and Nutrition.*—For the student who wishes more intensive training along the lines of food and nutrition than is given in the preceding majors. A student may prepare herself by choosing suitable electives for such positions as (a) teacher of foods and nutrition; (b) dietitian; (c) lunchroom for institutional manager; (d) nutrition worker in organizations promoting health.

4. *Clothing and Design.*—Intended for the student who wishes more intensive training along the lines of clothing and design. A student with this major may prepare herself for such positions as (a) a teacher of clothing and applied design; (b) dressmaker; (c) milliner; (d) work in department stores, such as textile buyer or shoppers' adviser.

ADMISSION.

Admission requirements to the School of Home Economics of the Texas Technological College are similar to the general admission requirements of other schools in the College.

Admission may be by any one of the three methods following:

A. Upon presentation of a certificate of graduation from an accredited secondary school.

B. Upon successful examination in the entrance subjects.

C. Upon individual approval.

Fifteen units are required for admission to full freshman standing, as follows:

1. English	3 units
2. Foreign Language	2 units
3. Mathematics Plane Geometry 1 Algebra 1	2 units
Two from either	2 units
4. (a) History, civics, economics, sociology, or (b) Botany, zoology, chemistry, physics, geology, general biology, etc.	
5. From the group not chosen under (4)	1 unit
6. From any accredited high school subjects, not more than four of which may be vocational subjects	5 units
Total	15 units

Students who have not the units in foreign language to present for entrance will schedule two years of foreign language in order to make up the deficiency. The extra year will be used to absolve the entrance requirement. Students majoring in clothing are advised to register for French; students with a foods and nutrition major should schedule German.

Students desiring to enter by examinations may take the examinations given under the supervision of the State Department of Education in the month of May each year. Full entrance examinations will be held at the College on September 16-18.

A candidate over twenty-one years of ago, who has not recently attended school, and who cannot satisfy the entrance requirements in full may be admitted to the freshman class without examination, provided she can satisfy the Dean of the School of Home Economics that she can profit by the instruction to be given in the freshman class.

The Bachelor of Science degree will be granted upon the satisfactory completion of any one of the following curricula:

CURRICULUM FOR GENERAL HOME ECONOMICS MAJOR.

Freshman Year.	Credit Hours
English 131, 132, 133	9
Foreign Language 231, 232, 233	9
Inorganic Chemistry 141, 142, 143	12
Mathematics H131	3
Clothing 131, 132, 133, or Foods 131, 132, 133	9
Design 131	3
General Home Economics 121	2
Total	47

Sophomore Year.	Credit Hours
English 231, 232, 233	9
History 131, 132, 133	9
Zoology 134, 135	9
American Government 131, 132, 133	9
Foods and Nutrition 131, 132, 133	9
Psychology 230, 231	6
Total	48

Junior Year.	Credit Hours
Foods and Nutrition 231, 232, 233	9
Clothing 231, 232	6
Home Economics 331	3
Home Economics 332	3
Education H331	3
Bacteriology 231, 232, 233	9
Physics 341, 342	6
Design 231	3
Elective	5
Total	47

Senior Year.	Credit Hours
Home Economics 461	6
Home Economics 431	3
Sociology or Economics 231, 232, 233	9
Foods and Nutrition Electives	9
Clothing and Design Electives	9
General Electives	12
Total	48

This major does not prepare for teaching any phase of home economics.

CURRICULUM FOR TEACHER TRAINING IN HOME ECONOMICS.

Freshman Year.	Credit Hours
English 131, 132, 133	9
Foreign Language 231, 232, 233	9
Chemistry 141, 142, 143	12
Mathematics H131	3
General Home Economics 121	2
Clothing 131, 132, 133, or Foods 131, 132, 133	9
Design 131	3
Total	47

Sophomore Year.	Credit Hours
English 231, 232, 233	9
History 131, 132, 133	9
Zoology 134, 135	6
Education 232	3
Psychology 230, 231	6
Foods 131, 132, 133, or Clothing 131, 132, 133	9
Home Economics Elective	3
Design 231	3
Total	48

Junior Year.	Credit Hours
Organic Chemistry 331, 332	6
American Government 321, 322, 323	6
Clothing 231, 232	6
Home Economics 331	3
Government 221	2
Foods 231, 232, 233	9
Bacteriology 231, 232, 233	9
Education H331	3
Home Economics 332	3
Total	47

Senior Year.	Credit Hours
Home Economics 461	6
Sociology 231, 232, 233, or Economics 231, 232, 233	9
Education H431, H432, H433	9
Clothing 331, Clothing 332	6
Design 431	3
Foods 331, Foods 334, Foods 335	9
Elective	6
Total	48

CURRICULUM FOR CLOTHING AND DESIGN MAJOR.

Freshman Year.	Credit Hours
English 131, 132, 133	9
Foreign Language 231, 232, 233	9
Inorganic Chemistry 141, 142, 143	12
Mathematics H131	3
Design 131	3
Clothing 131, 132, 133	9
Home Economics 121	2
Total	47

Sophomore Year.	Credit Hours
English 231, 232, 233	9
History 131, 132, 133	9
Zoology 134, 135	6
Clothing 231, 232	6
Foods and Nutrition 131, 132, 133	9
Government 221	2
Design 231	3
Elective Home Economics	3
Total	47

Junior Year.	Credit Hours
American Government 321, 322, 323	6
Education 232	3
Psychology 230, 231	6
Clothing 331	3
Clothing 332	3
Clothing 333	3
Bacteriology 231, 232, 233	9
Physics 341, 342	6
General Electives	6
Home Economics 332	3
Total	48

Senior Year.	Credit Hours
Sociology 231, 232, 233	9
Economics 231, 232, 233	9
Design 431	3
Clothing 431, 432	6
General Electives	9
Home Economics Electives	12
Total	48

CURRICULUM FOR FOODS AND NUTRITION MAJOR.

Freshman Year.	Credit Hours
English 131, 132, 133	9
Foreign Language 231, 232, 233, or History 131, 132, 133	9
Inorganic Chemistry 141, 142, 143	12
Foods and Nutrition 131, 132, 133	9
Design 131	3
Mathematics H131	3
General Home Economics 121	2
Total	47

Sophomore Year.	Credit Hours
English 231, 232, 233	9
History 131, 132, 133, or Foreign Language 231, 232, 233	9
Zoology 134, 135	6
Clothing 131, 132, 133	9
Foods and Nutrition 231, 232, 233	9
Government 221	2
Home Economics 332	3
Total	47

Junior Year.	Credit Hours
Organic Chemistry 331, 332	6
Physics 341, 342	6
Bacteriology 231, 232, 233	9
Psychology 230, 231	6
Education 232	3
Foods and Nutrition 331, 332, 333, or 331, 334, 335	9
American Government 321, 322, 323	6
General Electives	3
Total	48

Senior Year.	Credit Hours
Physiological Chemistry 437, 438	6
Economics and Sociology	9
Foods and Nutrition Electives	9
General Electives	12
Home Economics Electives	12
Total	48

COURSES OF INSTRUCTION

THE DEPARTMENT OF ART.

The Department of Art aims to develop standards of good taste which apply directly to everyday life, as well as to develop technical skill for those students who wish to specialize in some phase of applied art. Advanced courses will be organized and offered as the demands arise.

For the session of 1927-28, however, the following courses will be offered:

Design 131-132-133. Elementary Design. Fee 50 cents per term.

Design 231. Costume Design. Fee 50 cents.

Design 431-432. Household Furnishings. Fee 50 cents per term.

THE DEPARTMENT OF CLOTHING.

The Department of Clothing offers instruction in the fundamental principles of clothing selection and construction; in textiles and in design. All students registered in the School of Home Economics are required to take at least nine hours in this department. Students majoring in Clothing and Design must consult their adviser regarding advanced courses and electives.

Clothing 131. Elementary Course in Clothing Construction. Fee $1.00.

Clothing 132. Fundamental Principles of Dress Selection. Fee $1.00.

Clothing 133. Elementary Textiles. Fee $1.00.

Clothing 231. Elementary Dress Design. Fee $1.00.
Prerequisite: Design 231, Clothing 131, 132, 133.

Clothing 232. Elementary Dress Design. Fee $1.00.
Prerequisite: Clothing 232.

Clothing 331. Advanced Textiles. Fee $2.00.
Prerequisite: Clothing 232.

Clothing 332. Children's Clothing. Fee $1.00.
Prerequisite: Clothing 131, 132, 133; Design 131.

Clothing 333. Advanced Dress Design. Fee $1.00.
Prerequisite: Clothing 232.

Clothing 431. Millinery. Fee $1.00.
Prerequisite: Clothing 232 or parallel, junior or senior standing.

Clothing 432. Historic Costume. Fee $1.00.
Prerequisite: Junior or senior standing.

Clothing 433. Tailoring. Fee $1.00.
Prerequisite: Clothing 333.

THE DEPARTMENT OF FOODS AND NUTRITION.

The Department of Foods and Nutrition offers instruction in the fundamental principles of foods, cookery, and nutrition. All students registered in the School of Home Economics are required to schedule nine hours in this department. Students majoring in Foods and Nutrition should consult their adviser regarding the advanced courses.

Foods 131. Elementary Course in Foods and Cookery. Fee $4.00.

Foods 132. Fee $2.00.
A study of food costs production, manufacture and composition.

Foods 133. Fee $2.00.
Prerequisite: Chemistry 141.

Foods 231, 232. Meal Planning and Serving. Fee $4.00 per term.
Prerequisite: Foods 131, 132, 133.

Foods 233. Elementary Nutrition. Fee $4.00 per term.
Prerequisite: Foods 231, 232.

Foods 331. Lunchroom Management.
Prerequisite: Foods 233.

Foods 332, 333. Institutional Management.
Prerequisite: Foods 331.

Foods 334. Demonstration Cookery. Fee $4.00.
Prerequisite: Foods 233.

Foods 335. Experimental Cookery. Fee $4.00.
Prerequisite: Foods 233.

Foods 431. Catering. Fee $4.00.
Prerequisite: Foods 334, 335.

Foods 432. Nutrition. Fee $2.00.
Prerequisite: Foods 233; Chemistry 437.

Foods 433. Nutrition in Disease.
Prerequisite: Foods 432.

Foods 434. Health Center Work.

DEPARTMENT OF HOME ECONOMICS EDUCATION.

Students who wish to qualify as teachers of Home Economics should schedule the following courses in Home Economics Education, and in addition should include the general education courses which are outlined for the major selected.

Education H331. Child Care.
Prerequisite: Education 230.

Education H431. Problems in Home Economics Education.

Education H432. Special Methods in Home Economics.

Education H433. Practice Teaching in Home Economics.
Prerequisite: Education H332.

GENERAL HOME ECONOMICS.

The following, known as general Home Economics courses, are offered to students with all majors in the School of Home Economics and to Liberal Arts students who have the prerequisites.

Home Economics 121. An Orientation Course.

Home Economics 331. Home Nursing. Fee 50 cents.

Home Economics 332. Household Administration. Fee 50 cents.

Home Economics 431. Family Relationships.
Prerequisite: Senior standing.

Home Economics 461. Practice House.
Prerequisite: Home Management 331, 332; 18 hours of Foods.

SPECIAL COURSES FOR HOME-MAKERS.

In order to meet the needs of the women of Lubbock and the surrounding country, special courses for home-makers have been included at the School of Home Economics. These courses will require no prerequisite and will carry no college credit.

It is recommended that students register for the regular College work whenever possible.

Clothing 101 and 102. Garment Construction.

Foods 101 and 102. Meal Planning, Preparation, and Service.

THE PRACTICE HOUSE.

It has been said that the home-making activities may be summarized under three heads, namely: physical routine, mental growth, and the social contacts, and that the successful home-maker is the one who knows how to keep the proper balance between these three spheres of activity.

Believing that education for home-making would be incomplete unless the students have actual home-making experience under supervision, the new practice house has been established on the campus of the Texas Technological College. This house is furnished and equipped as for a family in comfortable circumstances, and presided over by an instructor with broad home economics training and experience in actual home management. The senior Home Economics students live in the house for one term carrying regular college work and leading a normal student life.

A budget, based on an average income, is arranged and the students are required to keep within this budget. Meals are carefully planned—nothing is wasted. Business training comes in keeping accounts, and in wise marketing. Not all is hard work, however, for there are birthday celebrations, holiday festivities, teas and parties, and, as in any home, the social contacts are stressed.

Ability to take responsibility, to co-operate, to have self-confidence, to master situations, are some of the hoped-for results.

This training is not only a valuable asset in later life in home-making, but is a necessary prerequisite to teaching home economics in vocational high schools. Most graduates look back on the experience gained in a home management house as the most worth while in their college life.

The home management house for the Texas Technological College is being constructed on the campus near the Home Economics Building at a cost of $20,000. It is a two-story building in harmony with the Spanish type of architecture used throughout the College buildings. Equipment and furnishings are being selected, and in some cases prepared by classes in home furnishings, so that the home will be ready for use some time during the winter term.

DEPARTMENT OF CORRESPONDENCE INSTRUCTION

OBJECTIVES.

The objectives of the Department of Correspondence Instruction are (1) to extend collegiate instruction to those who are qualified for it but who cannot take the work in residence, (2) to help teachers qualify for teachers' certificates, and (3) to prepare pupils, who do not have access to an affiliated high school, for the College entrance examinations. Correspondence work may be taken by students who are in residence, with the consent of the Dean of the school or college concerned, but the total number of courses must not exceed the maximum number set for resident students.

INSTRUCTION.

Only courses which have been approved by the heads of the respective departments of the College are offered for college credit. The instruction is given by the members of the Faculty in the departments which offer courses by correspondence.

TIME REQUIRED.

The time required for the completion of a course by correspondence is equivalent to the time required for the completion of the same course in residence. The time may be extended over a longer period than that required of resident students, but must not exceed a year. The period of time may be less than that required of resident students, but the number of hours must be equivalent to the number required of resident students.

CREDITS.

Work of college grade which is done by correspondence is granted the same credit as the equivalent work which is done by resident students. The courses taken by correspondence may be credited towards a degree, or be applied to remove the deficiencies of college entrance, or be used to help meet the requirements for teachers' certificates. In the case of non-credit courses, certificates are given the students upon the satisfactory completion of the work.

FEES.

The fee required for correspondence instruction is $10 for a one-third course; that is, for a subject which requires three recitation hours per week for twelve weeks when done in residence. A course is the equivalent of three recitation hours per week for thirty-six weeks. Postage for the transmission of the student's papers both ways is paid by the student. The fees are paid at the time of enrollment, and will not be refunded.

TEXTBOOKS.

The necessary textbooks may be obtained wherever the student finds it convenient. Books may be ordered prepaid from the Tech Bookstore, Lubbock, or may be ordered C. O. D., provided the order be accompanied by a deposit of $1.00. Reference books, when available, may be obtained from the College Library, by paying transportation charges both ways. These books may be kept for two weeks, and in some cases may be renewed for a second period of two weeks.

METHOD OF INSTRUCTION.

The method of instruction is determined by the nature of the course and the individuality of the instructor. However, as a rule, certain text and reference books are required in each course; lesson assignments, questions, problems, and references to collateral sources are sent the student by the instructor; written answers are received from, criticized, and returned to the student, and the course is concluded by a final examination. The examination may be taken at the College under the instructor who conducts the course, or in the home community of the student, under the supervision of the local superintendent or principal or teacher. Where the examination is given locally, the student must secure the acceptance of the person who is to supervise the examination, and notify the instructor as to the name of the examiner.

MAINTENANCE OF STANDARDS.

Standards of instruction are safeguarded by the fact that all courses offered and instruction given is under the direct supervision of the heads of the respective departments of the College, and by the members of the Faculty. Furthermore, it will be the policy of the Department of Correspondence Instruction of this College to co-operate with similar departments in other Texas colleges in the maintenance of correct stanadrds.

COURSES OFFERED.

The following courses are now available for correspondence instruction. For full description of the courses, see the Annual Catalog of the College, or write for detailed information. Other offerings will be added from time to time:

Agriculture.

Many of the regular college coursese in Agriculture may, under approved conditions, be taken by correspondence for credit toward a degree. These courses comprise in general non-laboratory courses, but students may likewise register for certain courses requiring survey data or other original data. Upon application, a student may learn what courses are open to him.

Economics and Business Administration.

Economics 231, 232, 233, Introduction to Economics; 234, 235, 236, Introduction to Business Administration; M331, M332, M333, Market Administration; P334, P335, P336, Production Administration; F321, F322, F323, Money and Banking; F337, F338, F339, Administration of Finance; A331, A332, A333, Introduction to Accounting; A431, A432, A433, Corporation Accounting and Budgetary Control.

Education.

Education 131, Introduction to Education; 132, Classroom Organization and Control; 133, Methods of Teaching in the Elementary Grades; 230, Rural Education; 232, History of Education; 233, Measurement in Education; 234, Principles of Secondary Education; 235, the High School Curriculum; 236, Methods of Teaching in the High School; 331, Principles of Education; 332, High School Problems; 335, the Junior High School; 337, Classroom Tests; 338, How to Study and Work Effectively; 339, the Problem-Project Method; 432, Texas Educational System; 434, Education in the United States; 436, Public School Administration.

English and Journalism.

English 131, 132, 133, Composition and Rhetoric; 231, 232, 233, English and American Masterpieces; *Journalism:* Journalism 135, Special Feature Articles.

French.

French 131, 132, 133, Beginners' French; 231, 232, 233, Grammar, Reading, and Composition.

German.

German 131, 132, 133, Beginners' German; 231, 232, 233, Grammar, Reading, and Composition.

Government.

Government 131, 132, 133, American Government; 320, Parliamentary Law and Practice; 231, Municipal Government; 331, Comparative Government.

History.

History 131, 132, 133, History of Civilization; History 231, 232, 233, History of the United States; History 234, 235, 236, History of England and the British Empire; History 237, 238, 239, History of the Two Americas.

Home Economics.

Clothing 133, Elementary Textiles; Clothing 332, Children's Clothing; Education H331, Child Care; Home Economics 431, Family Relationships.

Mathematics.

Mathematics L132a, Albegra (for students who present one year of entrance Algebra); Mathematics L131a, Algebra (for students who present two years of entrance Algebra and Plane Geometry); Mathematics L131b, Plane Trigonometry; L132c, Introduction to Analytic Geometry; L131c, Solid Geometry; L137a, Introduction to the Mathematics of Investment; L138a, Mathematics of Investment; L138b, Mathematics of Investment (continued); L237a, Introduction to the Mathematics of Life Insurance.

Music.

Music 134, Science of Music Notation, Rhythmics, Tones, etc.; Music 135, Elementary Harmony (added in Winter Term); Music 136, Harmonic Counterpoint (added in Spring Term).

Psychology.

Psychology 230, Introduction to Psychology; 231, Educational Psychology; 331, Child Psychology; 335, the Psychology of Adolescence.

Spanish.

Spanish 131, 132, 133, Beginners' Spanish; 231, 232, 233, Grammar, Reading, and Composition; 331, 332, 333, Contemporary Literature.

METHODS OF ENROLLMENT.

Prospective students who desire to enroll for one or more courses by correspondence should write for application blanks to J. F. McDonald, Director of the Department of Correspondence Instruction, Tech P. O., Lubbock, Texas.

ROSTER OF STUDENTS

SUMMER, 1927

Name.	Home Address.
Adair, Mrs. E. T.	Lubbock
Adcock, Mildred	Gustine
Ahlman, A. P.	Marathon
Alexander, Birdie	Greenville
Alldredge, L. M.	Lubbock
Allen, Mercedes	Littlefield
Allen, Robert	Leander
Allred, Lila	Chillicothe
Alverson, Alice	Lubbock
Ammons, Harold	Lubbock
Armstrong, Inez	Lamesa
Arnett, K. Mildred	Anton
Arnett, S. C.	Lubbock
Ashby, Lyman O.	McLean
Atcheson, Barton	Lubbock
Atcheson, Wayne	Lubbock
Atkins, Guy	Midlothian
Atkinson, George N.	Lubbock
Bacon, Blanche	Lubbock
Bagley, Mildred	Roaring Springs
Bailey, Clara	Chillicothe
Ballard, J. A.	Newlin
Ballew, Ethelene	Lubbock
Ballew, Vera Alta	Lubbock
Ballenger, Mrs. Josephine	Lubbock
Banta, Renalee	Electra
Barfoot, Clayton M.	Murchison
Barksdale, T. F.	Chico
Barnett, Mrs. E. M.	Lubbock
Barnes, Willard	Granger
Bass, Eula Mae	Tatum, N. M.
Batton, Ceril E.	Spearman
Baugh, Dorris	Lubbock
Baze, J. W.	Lubbock
Baze, Vada Bell	Lubbock
Beall, Ruth	Trinity
Becton, Mable	Becton
Bell, Margaret	Brownfield
Benedict, Horace	Knox City
Bennett, Beecher	Lubbock
Bennett, Rossie Beth	Arlington
Benson, M. H.	Lubbock
Bentley, C. B.	Lubbock
Biddy, E. M.	Lubbock
Biddy, Mrs. E. M.	Lubbock
Biggers, James B.	Dallas
Binnion, Betty	Lubbock
Binnion, Mrs. Marion	Lubbock
Binnion, T. M., Jr.	Lubbock
Blackstock, Lucile	Brownfield
Blackwell, Cleo	Wingate
Blackwell, Merrybelle	Lubbock
Blocker, Horace	Stanton
Bond, J. C.	Plainview
Bond, Mrs. Jewel G.	Lubbock
Bowlin, Annie Mae	Lubbock
Bowlin, H. C.	Lubbock
Bowlin, J. P.	O'Donnell
Bowlin, Leona	Lubbock
Boyd, Egbert	Lubbock
Boyd, Kate	Lubbock
Boyd, R. L.	Lorenzo
Boyles, J. A.	
Bralley, William M.	Tulia
Brooks, L. E.	Lubbock
Brown, Audrey B.	Lubbock
Brown, Clyde	Lubbock
Brown, Ella	Artesia, N. M.
Brown, George F.	Lubbock
Brown, J. C.	Lubbock
Brown, Xen	Lubbock
Bryan, Susan	Lubbock
Bryan, W. G.	Delhi, Okla.
Bryarly, Katherine	Dallas
Buchanan, Carrie	Estelline
Buckner, Bessie B.	Rochester
Buckner, Mrs. Z.	Park Springs
Burford, Mrs. Mae O.	Lubbock
Burford, Mrs. Rosa M.	
Burkholder, Flossie	Duncan, Okla.
Burks, Gordon E.	Granger
Burks, Mrs. Ima Blow	Granger
Burleson, Iva	Sipe Springs
Burney, Alice	Tehuacana
Burns, Walter	Cameron
Burton, Elizabeth	Lubbock
Buzbee, Ouida	Slaton
Byrd, Leonard	Lubbock
Byrd, R. W.	Lubbock
Cadenhead. Ethel	Lubbock
Calhoun, Cornelia	Ireland
Calley, Elva	Shallowater
Calley, Margaret	Shallowater
Calvert, J. B.	Amarillo
Camp, E. W., Jr.	Lubbock
Campbell, Beatrice	Estelline
Campbell, Halcyon	Lubbock
Candle, Leonard G.	Lubbock
Cantrell, Hubert	Slaton
Cargile, Lee	Lubbock
Carmichael, Bernis	Kenna, N. M.
Carlisle, Mrs. L. A.	Paducah
Carney, Ruth	Byers
Carpenter, Clyne	Nixon
Carpenter, Thomas R.	Lubbock
Carr, Mrs. H. T.	Slaton
Carroll, H. B.	Lubbock
Carruth, Carrie Lee	Sudan
Carter, Edith	Lubbock
Carter, R. Guy	Grady, N. M.
Castleberry, Andrew	Lubbock
Castleberry, Mrs. Mary E.	Lubbock
Cathey, Roby L.	Lubbock
Caviness, Bennie	Hurlwood

Name.	Home Address.
Chase, Helen	Lubbock
Chatham, Sam	Idalou
Childress, O. R.	Archer City
Childress, Mrs. O. R.	Archer City
Chilton, Mrs. Alice	Pampa
Clendenin, Anna Cecil	
Cline, Hazel	Lubbock
Clingingsmith, J. F.	Nocona
Coates, J. C.	Covington
Coleman, Irwin W.	Vernon
Combest, Ruth	
Comer, T. S.	Lubbock
Cone, Mrs. Fern	Lubbock
Cone, J. T.	Cameron
Cone, Hubert	Lubbock
Cone, Lois A.	Lubbock
Conley, Frances	Lubbock
Cook, Mrs. Gertrude	San Antonio
Cooper, Harold A.	Lubbock
Cooper, Mrs. J. R. B.	Lubbock
Cooper, Katherine	Littlefield
Cooper, Lois	Lubbock
Cooper, Mary Frances	Seymour
Cooper, Nannie Rush	Lubbock
Copeland, Mrs. O. R.	Ropesville
Couchman, Sue Belle	Brownfield
Cowan, Cleo	Lorenzo
Cox, Clarence C.	Lubbock
Crawford, Glenda	Lubbock
Crawford, Iris	Lubbock
Crawford, J. W.	Petersburg
Crawford, Melba	Lubbock
Crosland, Fred	Gordon
Crosland, Maude	Gordon
Cross, J. Hollie	Lubbock
Crouch, Ira	Wortham
Crounse, T. V.	Perrin
Crowley, J. W.	Lubbock
Crump, Mamie	Shallowater
Cude, Mrs. Gusceita	Lubbock
Culp, Ray	Pearl
Cunyus, Frank Allen	Lockney
Curry, Bertha	Teague
Curry, W. G.	Lubbock
Curry, Wilma	Lubbock
Dabney, Kathleen Reeves	Lubbock
Daniel, Thomas M.	Muleshoe
Davis, Edna Pearle	Lubbock
Davis, Winnie	Brownfield
Day, Lela	Celina
Deen, Velma	Floydada
Denison, Russell	Lorenzo
Dennis, Orian	Ralls
Dennis, Mrs. Orion	Ralls
Denton, Percy	Lubbock
Devenport, Elmer	Earth
De Wald, Anna Jo	Lubbock
Diall, Marshall	Lubbock
Doak, Mrs. D. B.	Lubbock
Dockray, Felice	Lubbock
Dockray, Willie	Lubbock
Doggett, Velma	Post

Name.	Home Address.
Doherty, A. Y.	
Dougherty, Lynn	Lubbock
Dow, Melvin	Lubbock
Duke, Mabel Ruth	Claude
Duncan, Mark W.	Floydada
Dyer, J. R.	Lubbock
Eaton, George E.	Lubbock
Eaves, Mrs. C. D.	Lubbock
Edwards, D. A.	O'Donnell
Edwards, Mary Frona	Floydada
Ellis, A. R.	Levelland
Ellis, Mrs. Ethel	Lubbock
Ellis, Otis	Lubbock
Everheart, Margaret	Lubbock
Ewing, Myrtle	Seymour
Farrar, Floy	Wellington
Farrar, G. L.	Lubbock
Ferguson, Frances	Haskell
Ferguson, Lillian	Lorenzo
Fickas, Addie	Lubbock
Fikes, Scott	Granger
Fitzgerald, Lorane	Houston
Flanery, Dorothy	Sherman
Forbess, Ruth	Lubbock
Forrester, Bertha	Lovington, N. M.
Fortenberry, J. A.	Celeste
Fortenberry, Mrs. J. A.	Celeste
Fowler, Owen Murle	Lubbock
Fowler, Peggy Alyne	Westbrook
Franklin, Homer	Soper, Okla.
Gaines, Nannie Mae	Lubbock
Gardner, Ireta	Moran
Garrison, Mrs. Isabel	Lubbock
Garrison, Vada Mae	Lubbock
Gault, Mary	Bellevue
Gault, Nell	Bellevue
Gehring, Annie	Longworth
Gibbs, Mabel	Loco, Okla.
Gilbert, Gladys	Lubbock
Gilbreath, Vance	Kempner
Gilkerson, Afton	Lubbock
Gill, Dixie Ellen	Hale Center
Gillean, Dan S.	Dallas
Gist, J. T.	Colorado
Glaziner, Giles	Lubbock
Golden, Carl	Snyder
Golden, Roy	Snyder
Gooch, Marcene	Wingate
Goodloe, Jack	Lamesa
Gordon, W. H.	Lubbock
Gramling, B. M.	Hermleigh
Greathouse, Mary	Tahoka
Green, Georgia D.	Roaring Springs
Green, Jewel Jack	Lubbock
Green, L. T.	Lubbock
Green, L. T., Jr.	Lubbock
Green, Mrs. L. T.	Lubbock
Green, Marion F.	Lubbock
Greer, Milton	Athens
Gregory, Luby	Southland

Name.	Home Address.
Gregory, Lucy	Lubbock
Grissom, Aura Mae	Lubbock
Groves, Fred A	Stinnett
Groves, R. T	Lubbock
Guffin, Anna Belle	Lubbock
Gunter, Mattie Faye	Gunter
Halbert, Treblah	Saragosa
Hale, C. L	Lubbock
Hale, Elaine	Thorp Spring
Haley, Vera	Seagraves
Hall, Gladys	Littlefield
Halsell, Naomi	Lubbock
Hamilton, Mrs. Robt.	Little Rock, Ark.
Hammett, Mrs. T. F	Houston
Hammock, Rosa	Sudan
Hammons, Annye	Gordon
Hancock, Olivette	Spearman
Hancock, Velma	Tahoka
Haney, Juanita	Lubbock
Hankins, E. A	Lubbock
Hankins, Mrs. E. A	Lubbock
Hankins, Melville	Lubbock
Hanna, Lovie	Oklaunion
Hardberger, J. H	O'Donnell
Hardesty, Mrs. E. C	Abernathy
Hardin, Dora E	Stamford
Hardy, Kittie Mae	Bonham
Harper, Douglas	Lubbock
Harris, Mildred	Lubbock
Harrison, Ellis	Swearingen
Harrison, Homer A	Lubbock
Harrison, Ralph	Lubbock
Hart, Mrs. Lois Nelson	Lubbock
Hawthorne, Willie Mae	Lubbock
Hays, Lelesse M	Lubbock
Hefner, Frankie	Lubbock
Hemphill, Dahlia	Littlefield
Henderson, Mrs. Lila	Lubbock
Hendrix, Winnie	Southland
Henderson, Maurine	Lubbock
Hensley, Anne	Fort Worth
Hensley, Mary Louise	Weatherford
Herrod, W. L	Crosbyton
Herron, Miss Dee	Grand Saline
Hester, E. K	Lubbock
Hicks, Essie	Shamrock
Hill, Grover C	Somerville
Hobby, Virgil	Longworth
Hollar, Mrs. L. A	Lubbock
Hollar, Nell	Lubbock
Holloway, A. L	Tahoka
Holt, Clarice	Wheeler
Holt, Mildred	Lubbock
Honea, Mrs. Sallie	Anson
Honey, Glenys	Lubbock
Hoover, Thomas B	Big Spring
Hope, Ethel	Sweetwater
Hopping, Earl L	Lubbock
Hopping, Lillian	Lubbock
Horn, Ruth	Lubbock
Horne, O. C	Lubbock
Houghton, Edna N	Amarillo
Houston, Lucille	Lubbock
Houston, Mamie	Clovis, N. M.
Howard, U. S	Lubbock
Howell, Mrs. Mary W	Lubbock
Hubbert, Oscar	Lubbock
Hughes, R. D	Ocina, Okla.
Hughett, Pauline	Lubbock
Hulme, Norma	Lubbock
Hulse, Grace	Brownfield
Hulse, Rowena	Brownfield
Hulsey, Ethel	Dickens
Humphries, Mrs. J. A	Lubbock
Hunt, E. L	Lubbock
Hunter, John R	Woodville
Hussey, Marguerite	Lubbock
Hutchinson, Ben B	Lubbock
Hutson, Maybelle	Lubbock
Ingham, Mary Wilma	Conway
Ingram, Fay	Lubbock
Isaacs, Albert H	Lubbock
Jackson, Bessie	Dickens
Jackson, Marie	Lubbock
Jackson, Stella B	Lubbock
Jameson, Roy L	Floydada
Jenkins, Andrew	Gorman
Jennings, Evelyn	Lubbock
Jennings, L. C	Lubbock
Jennings, Louise	Lubbock
Johnson, D. T	Abilene
Johnson, Lola Belle	Brownfield
Johnson, Nathan	Lubbock
Johnston, Bess	Snyder
Jones, Allyne	Seagraves
Jones, A. Maitland	Lubbock
Jones, Earl	Elton
Jones, Elouise	Desdemona
Jones, Ennis	Lubbock
Jones, Evelyn	Hicks
Jones, Mrs. F. L	Lubbock
Jones, Laura	Fort Worth
Jones, Lula	Lubbock
Jones, Nell R	Bledsoe
Jones, Wynona	Roscoe
Jowell, Attie	Lubbock
Keaster, Vivian	Lubbock
Keeling, Mildred	Ovalo
Kemp, Faye	McCaulley
Kemp, Frazier E	McCaulley
Kerley, Iowa Fay	Lubbock
King, Frances W	San Marcos
King, Margaret	Lubbock
Kinkler, Armour	Lubbock
Kirby, J. L	Clovis, N. M.
Kirksey, Jack M	Lorenzo
Klattenhoff, Lena	Slaton
Knipp, Dorothy	Lubbock
Kurfees, Bettie Opal	Plainview
Lanham, Louise	Slaton
Lasiter, J. H	Whitesboro

Name.	Home Address.
Latimer, Frieda	Levelland
Latimer, Laura	Levelland
Lawrence, Elsie	Lubbock
Lawrence, Hilda	Lubbock
Lee, Edison	Thurber
Lee, I. N	Electra
Legg, E. R	Slaton
Lemley, Mrs. Luella	Lubbock
Lindley, Mrs. D. T	Lubbock
Lindsey, Alice	Lubbock
Lindsey, Mrs. Alice	Lubbock
Lindsey, Kathryn	Lubbock
Lockhart, Jess	Lubbock
Lockhart, Mary	Lamesa
Lockhart, T. E	Lampasas
Logan, Alwis	Sonora
Long, Maud	Roaring Springs
Louthan, Wallace	Hale Center
Love, Evertta	Lubbock
Lowe, W. N	Bartlett
Lowrey, E. J	Lubbock
Lyle, Ella Mae	Ralls
McClure, Willie Mae	Lubbock
McConnell, M. W	Margaret
McCorkle, Eula	Lubbock
McDaniel, Mrs. Claud	Lubbock
McDaniel, C. M	Lubbock
McDearman, R	Lubbock
McDearman, Mrs. R	Lubbock
McDonald, Evelyn	Lubbock
McDonald, Frances	Breckenridge
McDonald, N. V	Merkel
McDonald, Mrs. N. V	Merkel
McElroy, John F	Lubbock
McFarland, Ilene	Friona
McFarland, Lora Mae	Friona
McGaughey, James H	Vera
McGaughey, Nannie	Vera
McGlothlin, Verna	Lamkin
McGowan, R. Q	Paducah
McKinney, J. H	Brownfield
McKnight, Walker	Mabank
McLaughlin, Arthur	Georgetown
McNabb, Margaret	Stillwater, Okla.
McQuien, Carl	Murchison
McWilliams, W. D., Jr	San Benito
Maddox, Jack F	Lubbock
Magee, Louise	Lubbock
Mahoney, Mrs. Alice	Lubbock
Mangum, Lois	Lubbock
Marrs, Edith	Slaton
Marshall, Inez	Santa Anna
Martin, Hazel	Lubbock
Mason, J. W	Lubbock
Mast, Jane	Lubbock
Matthews, R. W	Lubbock
May, Eva	Lubbock
Meador, Mary	Lubbock
Medlock, Inez	Lubbock
Medlin, Bessie	Roaring Springs
Melton, H. S	Amherst
Middleton, E. V	Afton
Middleton, Mary Louise	Lubbock
Middleton, Oueda	Lubbock
Middleton, R. C	Lubbock
Milam, Glen A	Ringgold
Miller, J. E	Hale Center
Miller, Kimsey T	Lubbock
Miller, Pauline	Lubbock
Milner, Lucille	Lubbock
Minnis, Bertha	Collinsville
Minor, Emma May	Lubbock
Mobley, Henry	Cisco
Montgomery, May L	Rotan
Montgomery, T. W	Crosbyton
Moore, Bonnie Belle	Carlton
Moore, Clara	Lubbock
Moore, Fred	Lubbock
Moore, Horace Grady	Floydada
Moore, W. C	Lubbock
Moorhouse, J. B	Benjamin
Morgan, J. H	Mission
Morrison, Julia E	Lubbock
Morrison, Myrtle	Lubbock
Morrison, Mrs. P. G	Lubbock
Morrison, Tom B	Lubbock
Morton, Helen	Jacksonville
Moxley, Lucille	Lubbock
Murray, Almeda	Lubbock
Murray, Corene	Lubbock
Neal, Mrs. Mamie	Lubbock
Neal, Nora	Rule
Neill, Otis	Lamesa
Neill, Vernon	Cleburne
Nelson, Eastin	Lubbock
Nesbitt, Wilmuth	Trinity
Newcomb, Thomas H	Ardmore, Okla.
Newsom, Reva	Brownfield
Newton, Pauline	Idalou
Newton, Ruth Catherine	Idalou
Niehoff, Ethel	Slaton
Nicklaus, Winfield	Amarillo
Noah, Miss Joe	Lubbock
Noah, Ruth	Lubbock
Nowlin, R. H	Sidney
Nugent, Roxye	Lubbock
O'Neall, Nancy	Lubbock
Odom, Joe Alma	Eldorado, Okla.
Odom, Allyne	Lubbock
O'Neall, H. B	Tulia
Orr, Guy E	Happy
Park, Letha	Moran
Parker, Colton	Rankin
Parmley, Nell	Strawn
Patterson, Cymbal	Lubbock
Payne, Elmo	Lubbock
Pearson, Mrs. Howard	Lubbock
Pendleton, Velma	Stratford
Peters, Helena	Lubbock
Pevehouse, Mrs. Myrtle	Lubbock
Pevehouse, William	Lubbock
Pfaff, Martha	Lubbock

Name.	Home Address.
Phillips, Rose	Lubbock
Pickett, Florence Evelyn	Lubbock
Pickett, Violet Mae	Lubbock
Pierce, Albert A	Carbon
Pilley, Bobbie	Lubbock
Pinkerton, J. W	Running Water
Pinkerton, Mrs. J. W	Running Water
Poage, Bill	Mertzon
Ponder, Mrs. Helen G	Stratford
Poore, James E	Timpson
Powell, Carolyn	Lubbock
Powell, Kathrine	Lubbock
Power, Dan W	Lubbock
Pray, Bernice	Lubbock
Pray, Cecil	Lubbock
Price, Anice	Hermleigh
Prosser, Mrs. Iris	Roscoe
Puryear, Lela	Lubbock
Pyeatt, Lloyd	Amarillo
Pynes, Marvin	Avery
Quinn, Rebecca	Lubbock
Rankin, C. G	Texico, N. M.
Rankin, J. M	Ralls
Rankin, Mrs. Vera	Lubbock
Ratliff, Cornelia	Lubbock
Ray, Zelda	Lubbock
Reader, Mrs. Alice T	Houston
Reed, C. C	Lubbock
Reed, D. H	Stanton
Reed, R. C	Lubbock
Reed, W. T	Lubbock
Reeves, E. P	Matador
Reeves, Helen Ruth	Plainview
Reeves, Theola	Midland
Renfro, James R	Lubbock
Reid, J. W	Lubbock
Rhea, Dimple	Lubbock
Richards, Johnnie Bess	Lubbock
Richards, Lillian	Cherokee
Richardson, Georgiana	Portales, N. M.
Rigney, F. N., Jr	Lubbock
Risinger, Mrs. Maud D	Abernathy
Risinger, Mrs. Nellie Weir	Abernathy
Rix, Alice Ann	Lubbock
Roberson, Lady Clare	Lubbock
Roberson, Nena	Lubbock
Roberts, G. M	Lamesa
Robertson, Helen	Lubbock
Robinson, H. G	Lubbock
Rogers, George Dewey	Lubbock
Rollo, C. J	Lubbock
Rowden, Mildred	Vernon
Rumbelow, Price	Grand Saline
Rubarth, Eleanor	Gatesville
Rushing, Lula Belle	Lubbock
Russell, J. L	Amarillo
Rust, Everett R	Lubbock
Rylander, Dorothy	Lubbock
Rylander, Mary	Robstown
Rylander, Thelma	Robstown

Name.	Home Address.
Sammons, D'Aun	Lubbock
Sams, Ted	Benjamin
Savage, Clytie	Stephenville
Sawyer, Ray	Lubbock
Schofield, Albert	Lubbock
Schofield, Arnold	Lubbock
Schoppe, Thos. A	Nada
Schultz, Mrs. V. N	Lubbock
Scoggin, Mrs. Carl	Lubbock
Scott, Carrie	Vernon
Scott, Esther	Lubbock
Scott, G. W	Idalou
Scott, Mrs. G. W	Idalou
Searls, John P	Athens
Senter, Richard	Lamesa
Seymour, Mary Lucy	Strawn
Shepard, Grady	Hale Center
Sheppard, Frank W	Shallowater
Shepperd, Mrs. Vonolia	Shallowater
Sherrill, Clarice	Seagraves
Shipp, Susie	Lubbock
Showalter, C. D	Lubbock
Sides, Mrs. Roy	Lubbock
Simmons, Eula Raye	Slaton
Simmons, Verma	Stephenville
Simpson, John E	Granbury
Sims, Wm. A	Lubbock
Skeen, Mrs. S. E	Lubbock
Slover, Edna Mae	Lubbock
Slover, Georgia	Tahoka
Slover, Lillie Dell	Tahoka
Smelser, Frances	Lubbock
Smith, Johnnie	Longworth
Smith, Rena	Lubbock
Smith, Ruth	Wilson
Smith, W. A	Lubbock
Snell, Bernice	Lampasas
Sowder, Mrs. Eppie	Lubbock
Sowder, Katheryn	Lubbock
Sowell, Evelyn	Lubbock
Speer, Mrs. Mildred	Lubbock
Spencer, J. L	Spur
Spencer, Mrs. Percy	Lubbock
Spikes, Alma	Lubbock
Standefer, Jim	Lubbock
Stark, Guy, Jr	Seminole
Starnes, Ruth	Lubbock
Steedman, J. R	Iowa Park
Steele, Mary	Lubbock
Stephens, M. F	Roaring Springs
Stewart, Mary	Lubbock
Stewart, Thelma	Lubbock
Street, Willow	Dickens
Strickel, Lucille	Lubbock
Stubblefield, Mrs. B. W	Lubbock
Stuteville, Willie Mae	Gustine
Summerhill, Alice	Midland
Sutherland, Viola	Montell
Swoape, Lizzie Mae	Rogers, N. M.
Swofford, R. P	Los Indios
Swofford, Mrs. R. P	Los Indios

Name.	Home Address.
Taylor, Alex	Childress
Taylor, Roy D.	Amarillo
Teague, J. M., Jr.	Lubbock
Terrell, Laura Mae	Plainview
Thomas, Eva	Lubbock
Thomas, T. H.	Lubbock
Thompson, Carroll	Lubbock
Thompson, Dan	McKinney
Thompson, Elizabeth	Lubbock
Thompson, Mary Lois	Lubbock
Thompson, Ruby	Hamlin
Thornhill, Gertrude	Lamesa
Thorp, E. M.	Lubbock
Thurman, Stella	Hamlin
Tom, R. C.	Lubbock
Townsend, James N.	Lubbock
Treadaway, Minnie Mozelle	Brownfield
Trigg, Nina	Lubbock
Tudor, Gilbert	Slaton
Tunnell, Lenore M.	Tahoka
Tusha, Ercel	
Vannerson, Jim	Tulia
Vaughn, Clovis L.	Anton
Vaughn, Mrs. C. L.	Anton
Vaught, Clemmie Jane	Slaton
Vivial, G. J.	Slaton
Voss, Mary Elinor	Post
Walden, Lorna Beth	Lubbock
Walden, Vada	Lubbock
Walker, Dessie	Floydada
Walker, Ike	Olton
Walker, Mrs. Laura	Hale Center
Wallace, Dayle	Mt. Calm
Wallace, Lorelle	Royce City
Waller, Alvin L.	Pickett
Warren, Faola	Plainview
Waters, Alta	
Watkins, Oletha	Petersburg
Watkins, Vivian L.	Lorenzo
Weaver, C. L.	Levelland
Weaver, T. V.	Levelland
Webb, Robert M.	Hale Center
Weddle, A. L.	Lubbock
Weddle, Villa	Lubbock
Wells, Mrs. B. C.	Lubbock
West, Ethel	Seagraves
West, Veda	Wilson
Westbrook, Mary Hope	Sipe Springs
Wester, Mrs. J. K.	Lubbock
Wheeler, Esther Grace	Lorenzo
Wheeler, Rex	Lorenzo
White, Jewell	Stephenville
Whiteside, Clarence	Lubbock
Wilhelm, Mrs. D. J.	Lubbock
Wilkins, George	Bledsoe
Wilkins, W. I.	Bledsoe
Williams, Merle	Sipe Springs
Williamson, C. L.	Lorenzo
Williamson, Julian	Lubbock
Willingham, A. J.	Albany
Willingham, Carl	Sudan
Wilmeth, Donna	Lubbock
Wilmeth, Hazel	Lubbock
Wilson, Evelyn	Lubbock
Wilson, Gussie D.	Saint Jo
Wilson, Ivo	Altus, Okla.
Wilson, Jewell Lena	Jacksboro
Wilson, Sylva	Lubbock
Wilson, Verna	Lubbock
Wisdom, Ernest	Claude
Wisdom, John E.	Claude
Witt, I. R.	Lubbock
Wolffarth, Mamie	Lubbock
Womack, Sam H. J.	Colorado
Wristen, Fay	Lorenzo
Wyatt, Grace	Silver Valley
Young, Xuma	Lubbock

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UNIVERSITY OF ILLINOIS

O COLLEGE MOTHER, BEAUTIFUL.

(College Hymn of Texas Technological College sung to the music of "America the Beautiful.")

1

O College Mother, Beautiful,
Our hearts go out to thee.
We raise our voices in a prayer
For thy prosperity.
O College Mother, Beautiful,
Long be thy life and blest,
May God crown all thy nights and days
With love and joy and rest!

2

O College Mother, Beautiful,
Thy skies of vaulted blue
Call to thy sons and daughters all
Forever to be true.
True to the State they love so well
The land that gave them birth,
True to their glorious heritage
The fairest land on earth!

3

O College Mother, Beautiful,
Thy arches and thy towers
Thy halls and roofs and corridors
Forevermore are ours.
We love thy fields of cotton white,
Thy grasses and thy grains,
Thy canyons and thy terraces,
Thy fertile upland plains.

4

O College Mother, Beautiful,
We love thy words of truth,
Deep graven in thy brick and stone
To guide the ways of youth.
Long may thy finger point the way
That earnest youth should tread,
And may the blessings of the free
Be ever on thy head.

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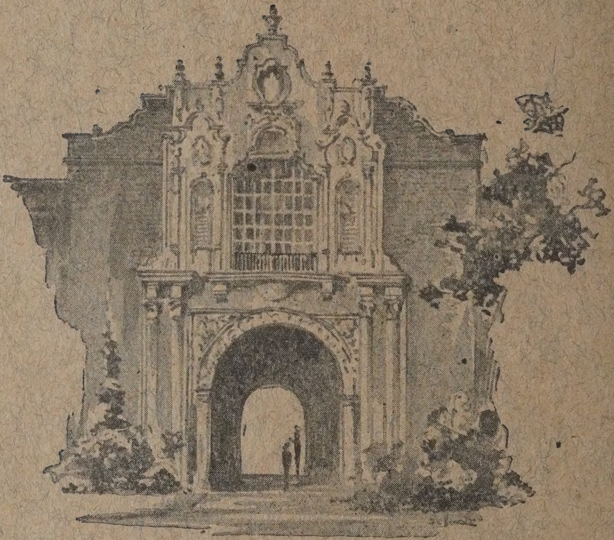

DETAIL OF ENTRANCE TEXTILE ENGINEERING BUILDING